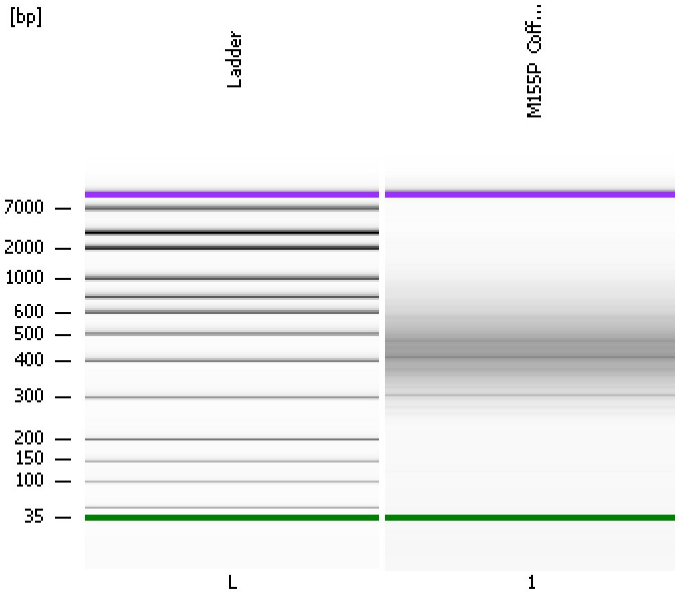


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
Modified: 8/7/2015 12:05:22 PM

**Electrophoresis File Run Summary**



Instrument Information:

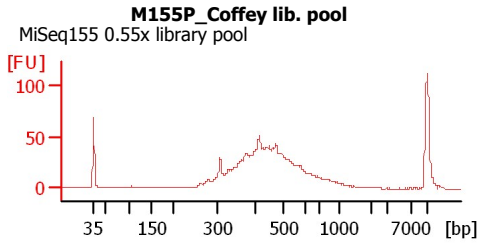
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
Modified: 8/7/2015 12:05:22 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
M155P_Coffey lib. pool	MiSeq155 0.55x library pool	<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
Modified: 8/7/2015 12:05:22 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

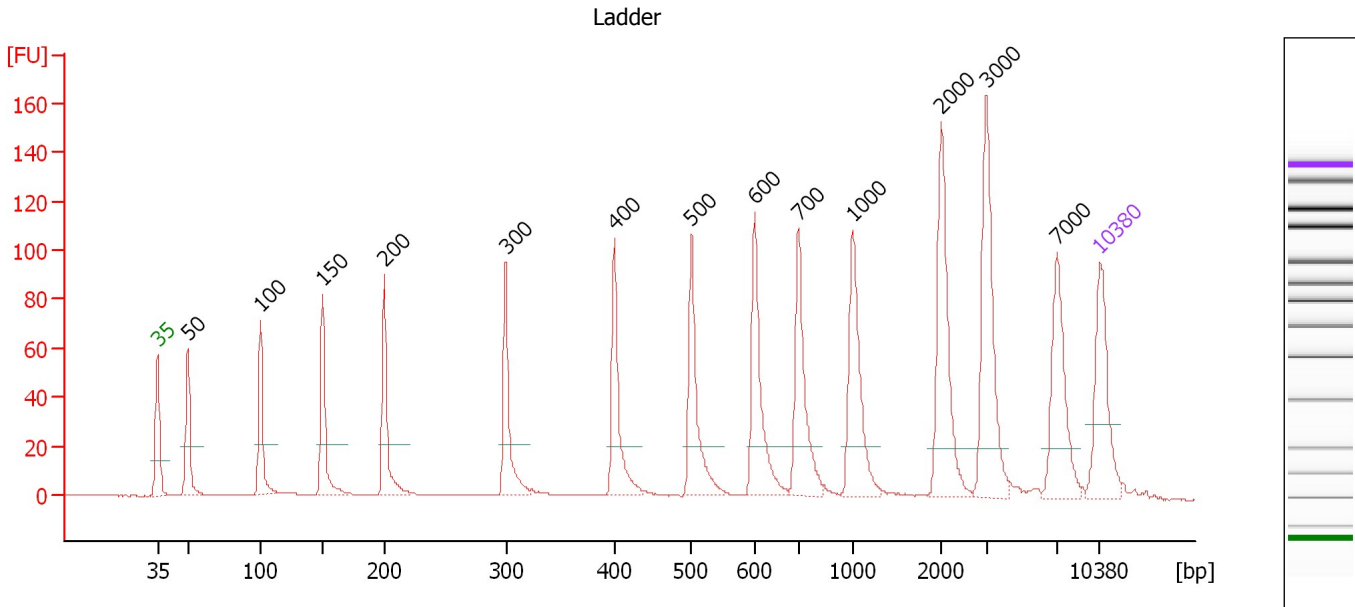
**Ladder**

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\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
 Modified: 8/7/2015 12:05:22 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

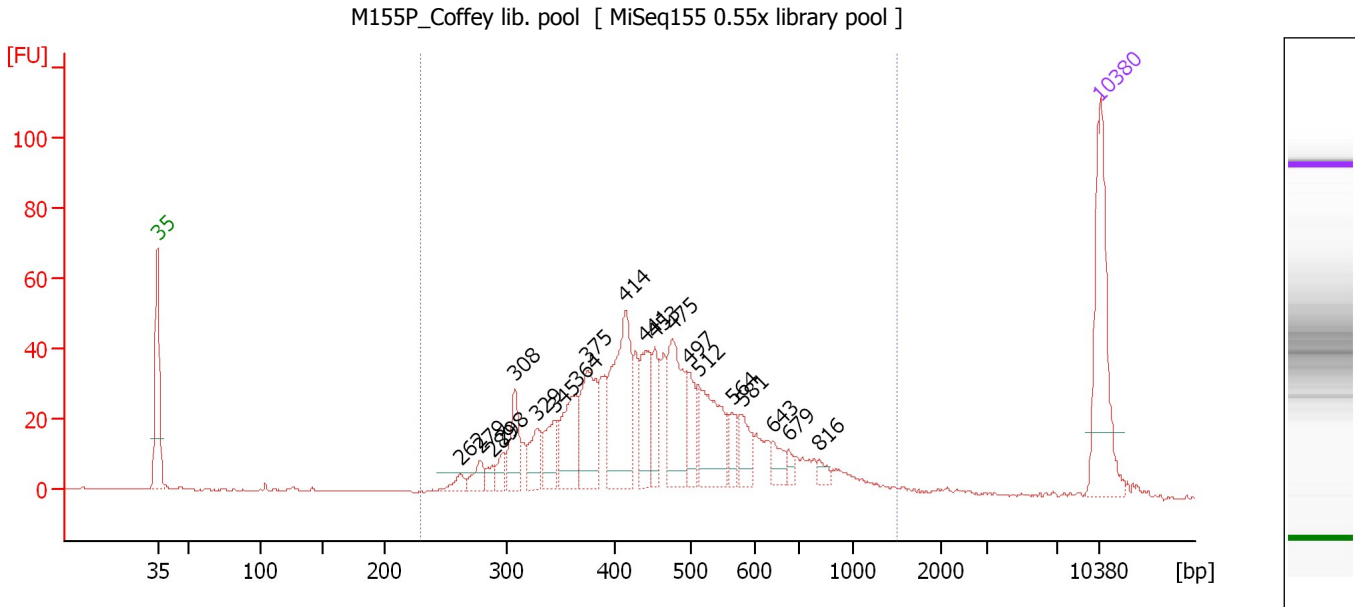
**Peak table for Ladder**

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	45.25
3	100	150.00	2,272.7	Ladder Peak	50.64
4	150	150.00	1,515.2	Ladder Peak	55.26
5	200	150.00	1,136.4	Ladder Peak	59.84
6	300	150.00	757.6	Ladder Peak	68.87
7	400	150.00	568.2	Ladder Peak	76.94
8	500	150.00	454.5	Ladder Peak	82.64
9	600	150.00	378.8	Ladder Peak	87.35
10	700	150.00	324.7	Ladder Peak	90.59
11	1,000	150.00	227.3	Ladder Peak	94.60
12	2,000	150.00	113.6	Ladder Peak	101.21
13	3,000	150.00	75.8	Ladder Peak	104.58
14	7,000	150.00	32.5	Ladder Peak	109.80
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...\Bioanalyzer\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
 Modified: 8/7/2015 12:05:22 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : M155P Coffey lib. pool**

Number of peaks found: 20                      Corr. Area 1: 903.2  
 Noise: 0.1

**Peak table for sample 1 : M155P Coffey lib. 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	262	9.20	53.2		65.45
3	279	14.73	80.0		66.97
4	289	7.40	38.9		67.83
5	298	11.30	57.5		68.66
6	308	36.65	180.3		69.52
7	329	25.12	115.7		71.21
8	345	30.64	134.8		72.46
9	364	49.19	204.6		74.06
10	375	62.15	251.1		74.93
11	414	102.16	373.9		77.74
12	441	44.56	153.2		79.25
13	453	29.32	98.1		79.95
14	475	66.32	211.3		81.24
15	497	24.62	75.1		82.46
16	512	63.96	189.4		83.19
17	564	13.75	36.9		85.66
18	581	19.90	51.9		86.44
19	643	13.04	30.8		88.73
20	679	5.46	12.2		89.90
21	816	6.06	11.3		92.15
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
Modified: 8/7/2015 12:05:22 PM

**Electropherogram Summary Continued ...**

... Region table for sample 1 : M155P Coffey lib. pool

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]
230	481	1,508	903.2	3,116.4	 93	35.1	877.55

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...\Bioanalyzer\2015-08-07\2015-08-07\_001\_M155\_LibraryPool.xad

Created: 8/7/2015 11:21:09 AM  
Modified: 8/7/2015 12:05:22 PM

**Gel Image**

