

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2014-05-23\2014-05-23_006_8mRNA_lib.xad

Created: 5/23/2014 1:15:12 PM
Modified: 5/23/2014 2:51:35 PM

Electrophoresis File Run Summary

Instrument Information:

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

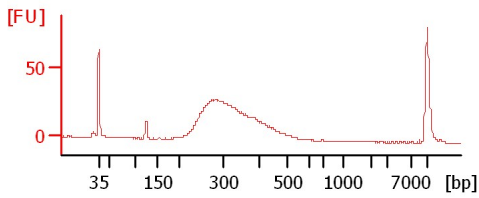
Assay Information:

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

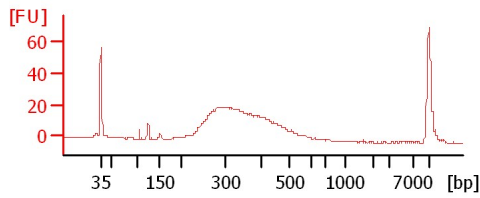
Chip Information:

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

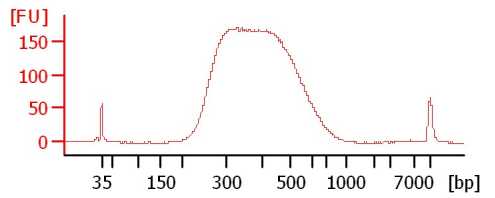
T1 mRNA lib



T2 mRNA lib



C3 mRNA lib



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
T1 mRNA lib		<input type="checkbox"/>	✓			
T2 mRNA lib		<input type="checkbox"/>	✓			
C3 mRNA lib		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

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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

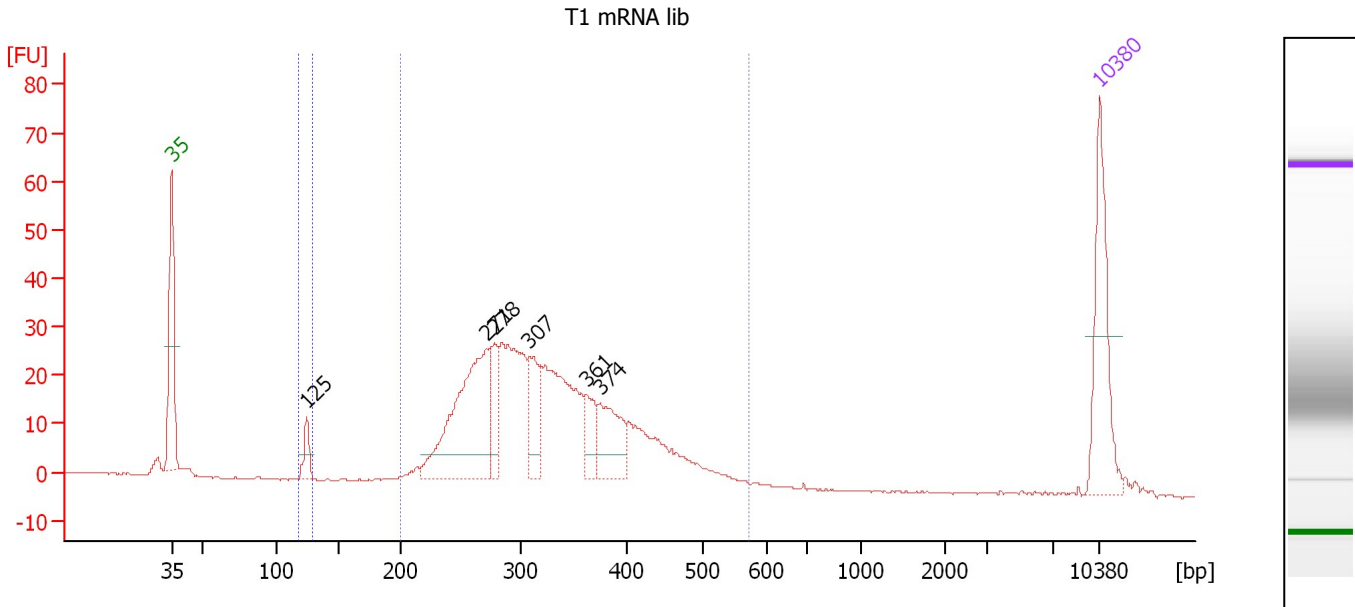
Ladder

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

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Electropherogram Summary



Overall Results for sample 9 : T1 mRNA lib

Number of peaks found: 6 Corr. Area 1: 522.0
 Noise: 0.2 Corr. Area 2: 10.9

Peak table for sample 9 : T1 mRNA lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	125	22.81	276.6	
3	271	193.46	1,079.8	
4	278	40.94	223.0	
5	307	51.98	256.3	
6	361	27.77	116.5	
7	374	57.19	231.6	
8	10,380	75.00	10.9	Upper Marker

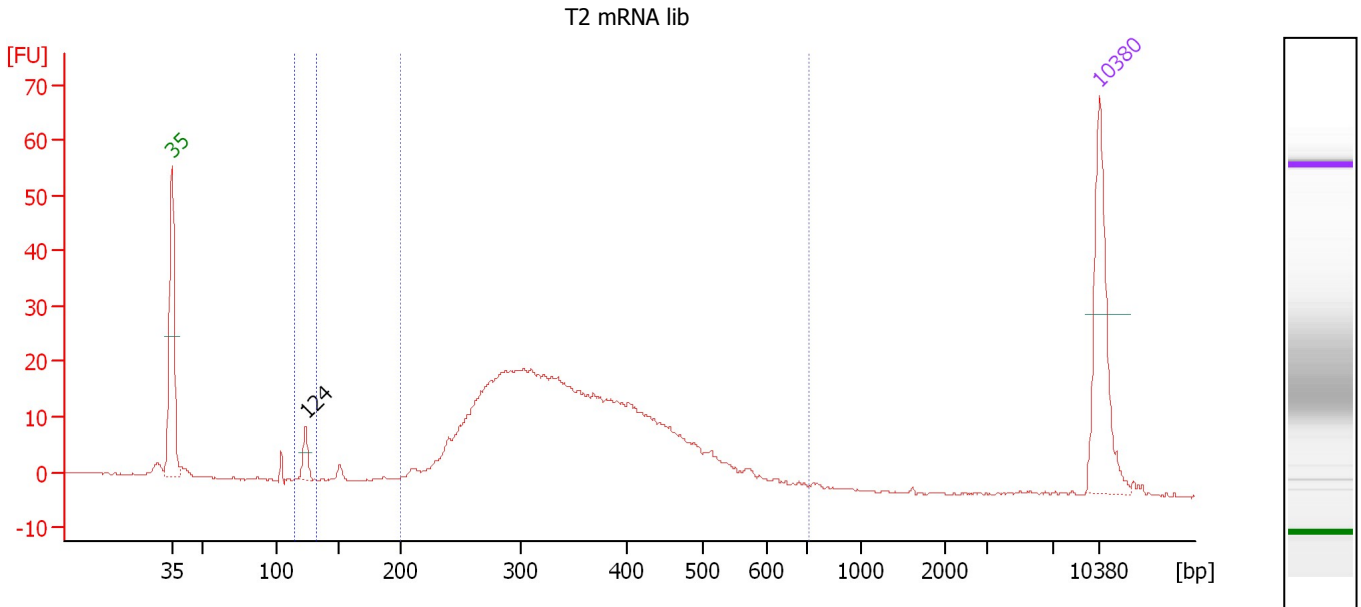
Region table for sample 9 : T1 mRNA lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
118	130	125	262.2	21.58	10.9	2	1.6
200	572	329	3,902.9	802.24	522.0	94	21.1

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Electropherogram Summary Continued ...



Overall Results for sample 10 : T2 mRNA lib

Number of peaks found: 1 Corr. Area 1: 439.9
 Noise: 0.1 Corr. Area 2: 7.5

Peak table for sample 10 : T2 mRNA lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	124	17.94	219.2	
3	10,380	75.00	10.9	Upper Marker

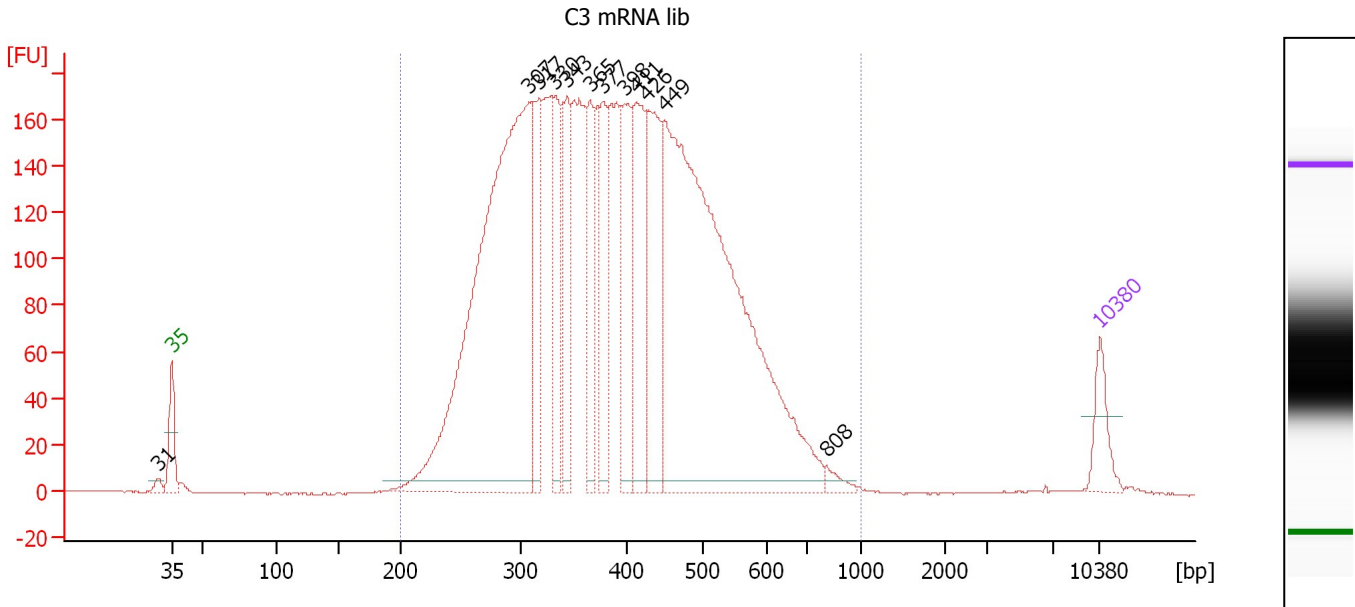
Region table for sample 10 : T2 mRNA lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
115	133	124	204.0	16.69	7.5	2	1.4
200	713	357	3,381.4	739.42	439.9	95	24.1

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Electropherogram Summary Continued ...



Overall Results for sample 11 : C3 mRNA lib

Number of peaks found: 12 Corr. Area 1: 4,633.6
 Noise: 0.1

Peak table for sample 11 : C3 mRNA lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	307	2,023.20	9,986.1	
4	317	286.24	1,369.8	
5	330	258.08	1,183.3	
6	343	269.19	1,190.7	
7	365	235.36	977.4	
8	377	246.83	992.3	
9	398	285.72	1,087.8	
10	411	364.03	1,340.4	
11	426	400.19	1,424.0	
12	449	2,057.92	6,951.6	
13	808	26.14	49.0	
14	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : C3 mRNA lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	401	32,787.3	7,856.99	4,633.6	98	27.5

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