

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2100 expert\data\2014-04-30\2014-04-30_001_keri.xad

Created: 4/30/2014 11:50:37 AM
Modified: 4/30/2014 12:28:05 PM

Electrophoresis File Run Summary

Instrument Information:

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

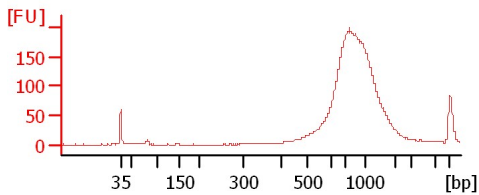
Assay Information:

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

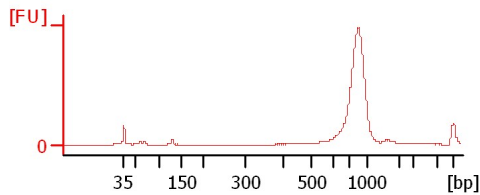
Chip Information:

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

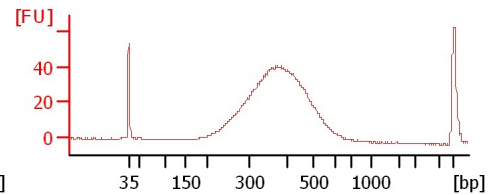
700 tet peanut



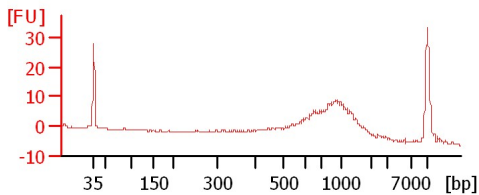
700 tet peanut pcr



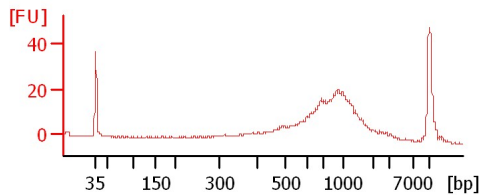
54 lib



117 4



55 3



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
700 tet peanut		<input type="checkbox"/>	✓			
700 tet peanut pcr		<input type="checkbox"/>	✓			
54 lib		<input type="checkbox"/>	✓			
117 4		<input type="checkbox"/>	✓			
55 3		<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

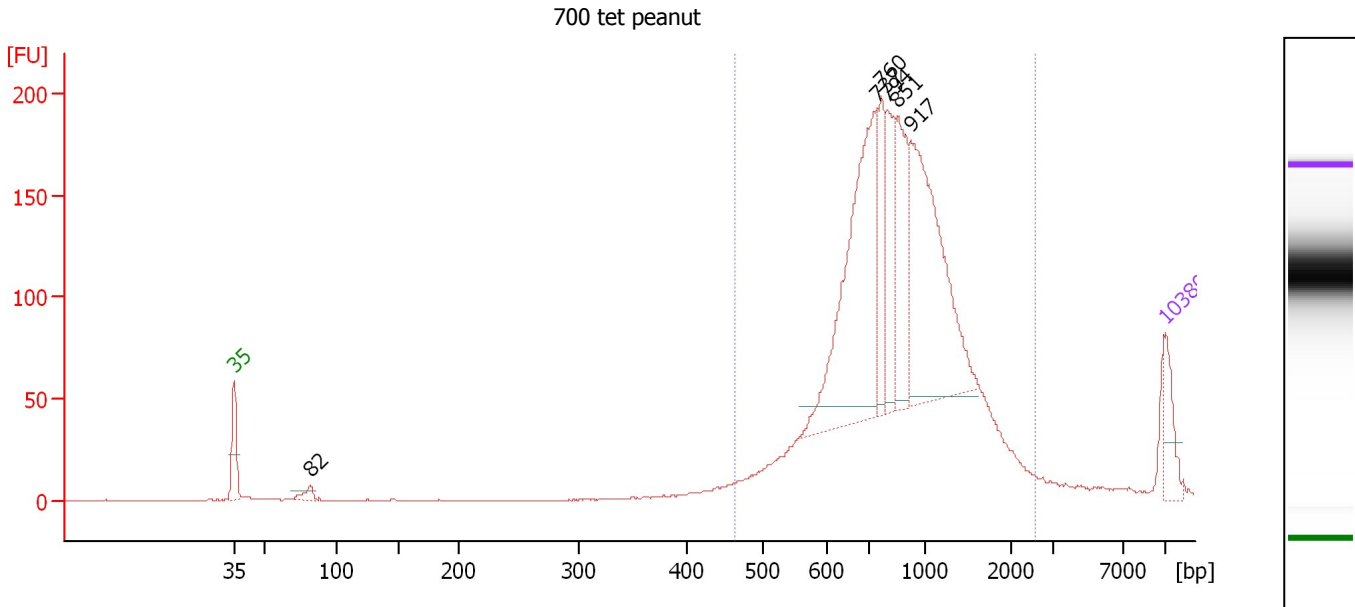
Ladder

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 1 : 700 tet peanut

Number of peaks found: 6 Corr. Area 1: 2,063.3
 Noise: 0.2

Peak table for sample 1 : 700 tet peanut

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	34.64	641.9	
3	737	745.73	1,533.2	
4	760	158.68	316.4	
5	794	203.12	387.6	
6	851	242.16	431.1	
7	917	605.59	1,001.0	
8	10,380	75.00	10.9	Upper Marker

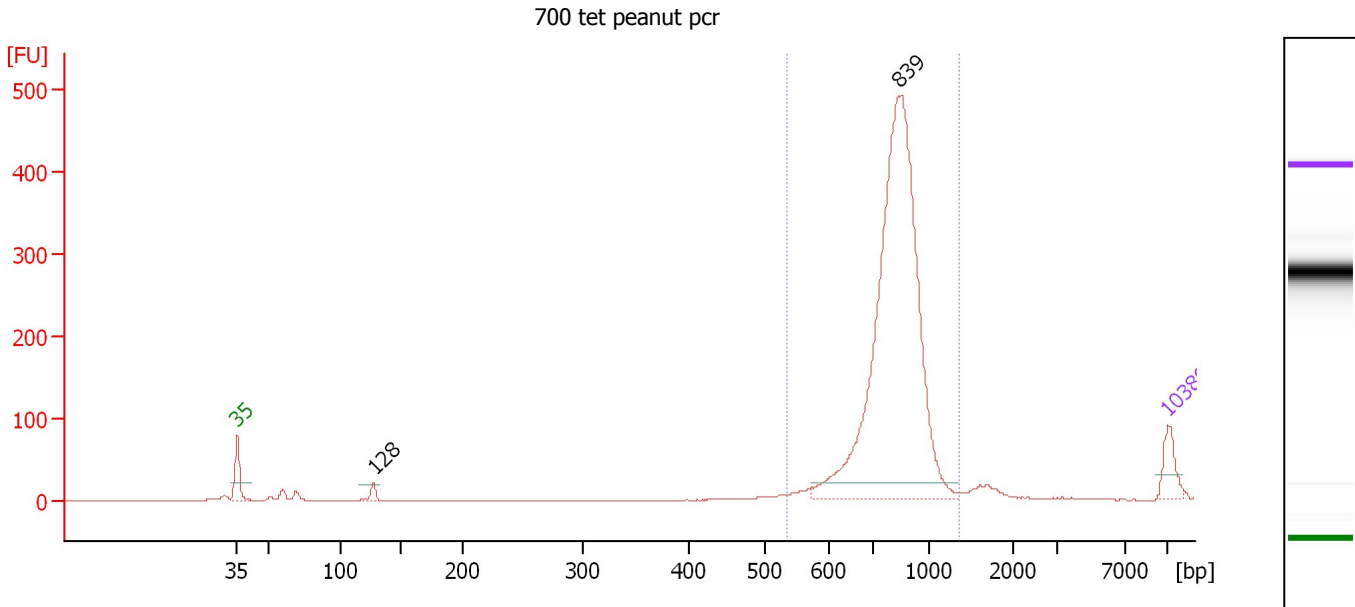
Region table for sample 1 : 700 tet peanut

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
463	2,542	932	5,857.6	3,175.16	2,063.3	97	37.3	Blue

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : 700 tet peanut pcr

Height Threshold [FU] : 20

Overall Results for sample 2 : 700 tet peanut pcr

Number of peaks found: 2 Corr. Area 1: 1,933.3
 Noise: 0.3

Peak table for sample 2 : 700 tet peanut pcr

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	128	36.44	432.3	
3	839	2,210.16	3,992.3	
4	10,380	75.00	10.9	Upper Marker

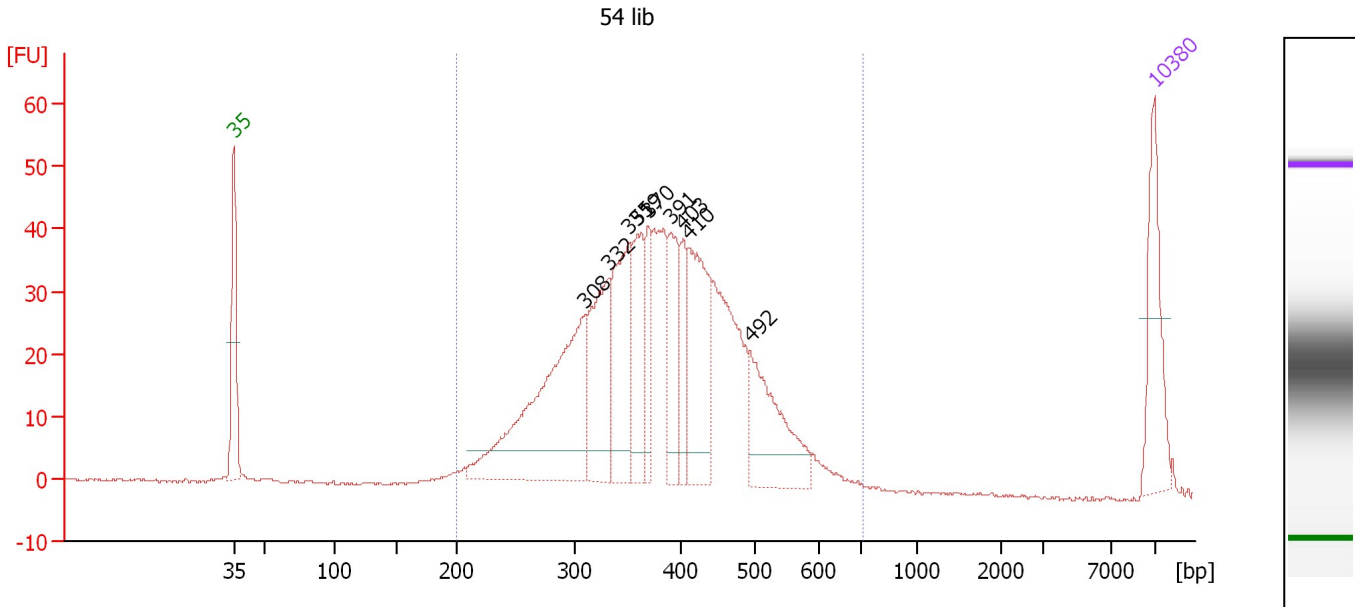
Region table for sample 2 : 700 tet peanut pcr

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
533	1,366	826	4,047.3	2,173.68	1,933.3	96	13.0	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 54 lib

Number of peaks found: 9 Corr. Area 1: 868.0
 Noise: 0.2

Peak table for sample 3 : 54 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	325.50	1,599.0	
3	332	152.44	695.4	
4	351	146.51	632.7	
5	359	98.86	417.3	
6	370	53.65	220.0	
7	391	84.85	329.0	
8	403	51.41	193.5	
9	410	156.02	575.9	
10	492	129.44	398.4	
11	10,380	75.00	10.9	Upper Marker

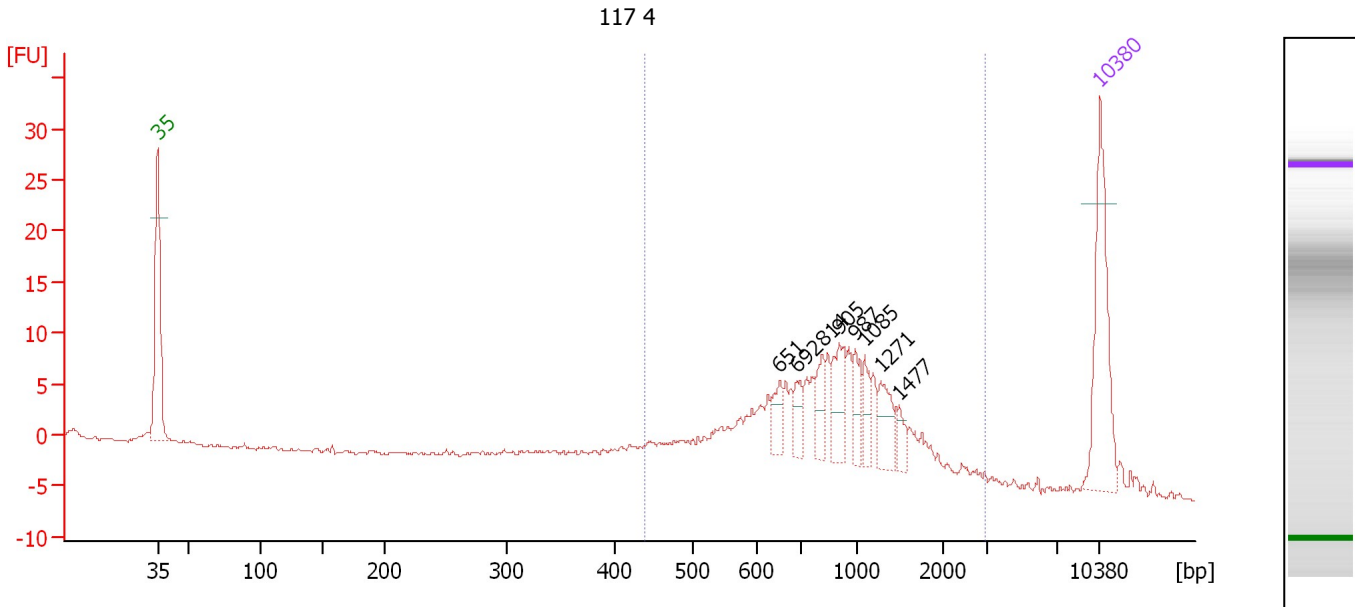
Region table for sample 3 : 54 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	708	383	6,642.3	1,569.71	868.0	99	21.6	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 117 4

Number of peaks found: 8 Corr. Area 1: 171.5
 Noise: 0.2

Peak table for sample 6 : 117 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	651	17.32	40.3	
3	692	15.69	34.3	
4	814	21.52	40.1	
5	905	32.74	54.8	
6	987	19.36	29.7	
7	1,085	15.29	21.4	
8	1,271	24.77	29.5	
9	1,477	10.06	10.3	
10	10,380	75.00	10.9	Upper Marker

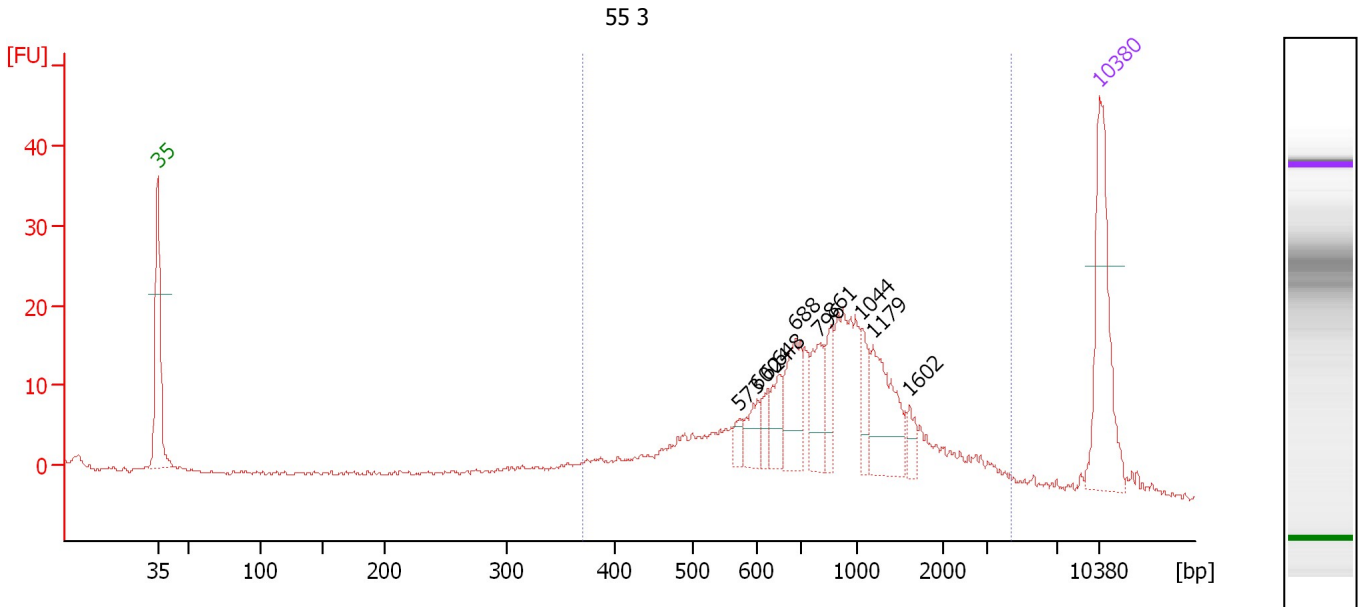
Region table for sample 6 : 117 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
438	2,960	951	879.5	450.10	171.5	79	46.5	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 553

Number of peaks found: 10 Corr. Area 1: 331.0
 Noise: 0.2

Peak table for sample 7 : 553

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	573	9.64	25.5	
3	600	18.49	46.7	
4	624	11.88	28.9	
5	648	22.05	51.6	
6	688	48.77	107.4	
7	796	33.66	64.1	
8	861	23.44	41.3	
9	1,044	22.28	32.3	
10	1,179	55.68	71.6	
11	1,602	10.12	9.6	
12	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : 553

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
370	4,344	1,016	1,179.2	582.34	331.0	83	61.5	Blue

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Gel Image

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Curves

Standard Curve

