

Page 1 of 9

NG-125_High Sensitivity DN	Page 2	of 9			
Assay Class: High Sensitivity Data Path: C:\gh Sensiti Electrophoresis File Run S	Created: 11/17/2015 11:55 Modified: 11/17/2015 12:14				
Sample Name	Sample Comment	Rest. Digest	Status Observation	Result Label	Res ult Col or
NG-125_Batch1 NG-125_Batch2			*		
Ladder Chip Lot #			✔ Reagent Kit Lot #		
Chip Comments :					

The second se					
	High Sensitivity DNA Assay C:\gh Sensitivity DNA Assay_DE34903142_2015-11-17_11-55-35.xad				

Created: 11/17/2015 11:55:35 AM Modified: 11/17/2015 12:14:05 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] : 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

Page 4 of 9

Assay Class: High Sensitivity DNA Assay Data Path: C:\...gh Sensitivity DNA Assay_DE34903142_2015-11-17_11-55-35.xad Electropherogram Summary

Created: 11/17/2015 11:55:35 AM Modified: 11/17/2015 12:14:05 PM

Ladder 150.950.00 [FU] 350 150.00 150.00 ,00 150,00 150,00 300 150.00 150.00 500 1500 1500 1500 1500 250 150.00 200-15.00 150 100 50

300

400

500

700

2000

10380

[bp]



Overall Results for Ladder

35

Noise:

0

0.4

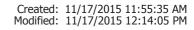
150

100

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

Page 6 of 9

Assay Class: Data Path: High Sensitivity DNA Assay C:\...gh Sensitivity DNA Assay_DE34903142_2015-11-17_11-55-35.xad Electropherogram Summary Continued ...



NG-125_Batch1 15.00 [FU] 125.00 100-10,00,07 81 8 30.50 13° 8.02 35 100 150 300 400 500 700 2000 10380 [bp]

Overall Results for sample 2 :		NG-125_Batch1	
Number of peaks found:	23	Corr. Area 1:	900.5
Noise:	0.4		

Peak ta	able	for sample 2 :	NG-125_Batch1		
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		45	17.38	591.2	
4		84	30.56	552.2	
5		254	80.11	478.4	
6		270	34.38	193.1	
7		276	44.89	246.1	
8		289	35.45	185.8	
9		294	48.06	247.6	
10		318	122.46	582.8	
11		348	36.84	160.6	
12		360	27.83	117.2	
13		381	37.89	150.6	
14		392	40.60	156.8	
15		410	23.58	87.1	
16		424	22.79	81.5	
17		434	35.68	124.6	
18		466	18.36	59.7	
19		481	17.78	56.0	
20		503	15.35	46.2	
21		517	22.01	64.5	
22		551	15.03	41.3	
23		573	11.77	31.1	
24		678	8.82	19.7	
25		10,380	75.00	10.9	Upper Marker

80

60

40

20

0

Created: 11/17/2015 11:55:35 AM .xad Modified: 11/17/2015 12:14:05 PM

Assay Class: High Sensitivity DNA Assay Data Path: C:\...gh Sensitivity DNA Assay_DE34903142_2015-11-17_11-55-35.xad Electropherogram Summary Continued ...

Region table for sample 2 :			ole 2 :	NG-125_Bat	<u>tch1</u>			
From [bp]] Corr. Area	% of Total	[bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Co lor
200	1,000	900.5	89	389	30.5	941.11	4,103.3	

Page 8 of 9

Assay Class: High Sensitivity DNA Assay Data Path: C:\...gh Sensitivity DNA Assay_DE34903142_2015-11-17_11-55-35.xad Electropherogram Summary Continued ... Created: 11/17/2015 11:55:35 AM Modified: 11/17/2015 12:14:05 PM

NG-125_Batch2 15.00 [FU] 125.00 80 70-60-50-40-30-20 45.12 6.6 D 10 0 -10 35 100 150 300 400 500 700 2000 10380 [bp]

Overall Results for sample 3 : <u>NG-125_Batch2</u>

Number of peaks found:	12	Corr. Area 1:	244.4
Noise:	0.4		

Peak ta	able	for sample 3 :	NG-125_Batch2				
Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observ	vations	
1		32	0.00	0.0			
2		35	125.00	5,411.3	Lower I	Marker	
3		44	26.61	909.9			
4		84	45.12	814.2			
5		246	14.29	88.2			
6		265	14.46	82.6			
7		275	17.20	94.6			
8		284	13.54	72.3			
9		297	11.60	59.3			
10		327	15.95	74.0			
11		342	11.72	52.0			
12		364	10.48	43.6			
13		376	9.47	38.1			
14		10,380	75.00	10.9	Upper I	Marker	
Region	ı tab	le for sample 3	: <u>NG-125</u> Batch	<u>12</u>			
From [bp]	T		% of Average Siz Total [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Co lor

25.7

1,000

244.4

72

357

200

361.83

1,677.6