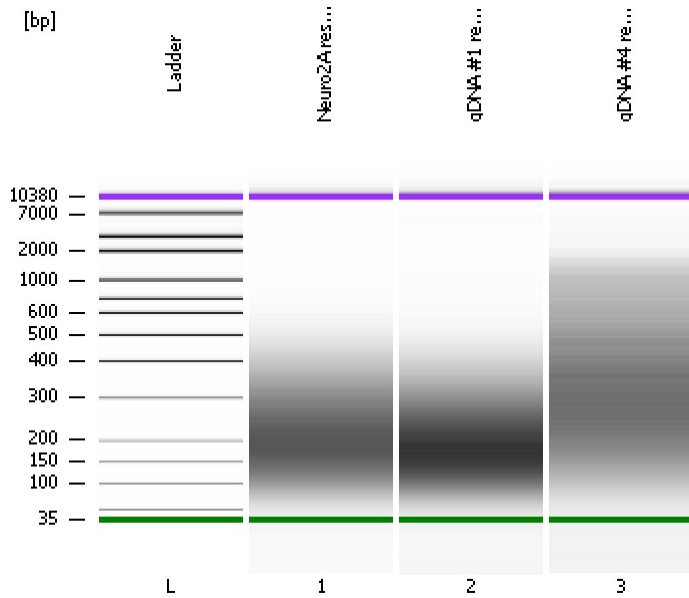


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
Modified: 3/20/2014 9:43:45 AM

Electrophoresis File Run Summary



Instrument Information:

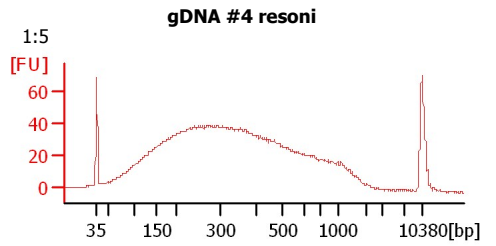
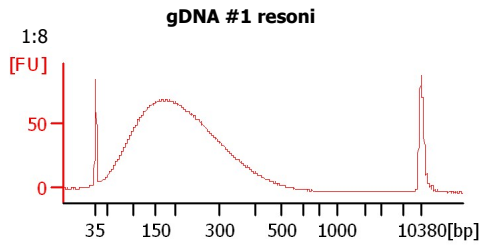
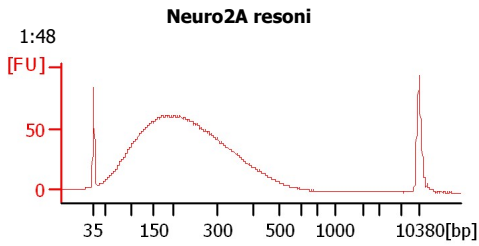
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
 Modified: 3/20/2014 9:43:45 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Neuro2A resoni	1:48	<input type="checkbox"/>	✓			
gDNA #1 resoni	1:8	<input type="checkbox"/>	✓			
gDNA #4 resoni	1:5	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
Modified: 3/20/2014 9:43:45 AM

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

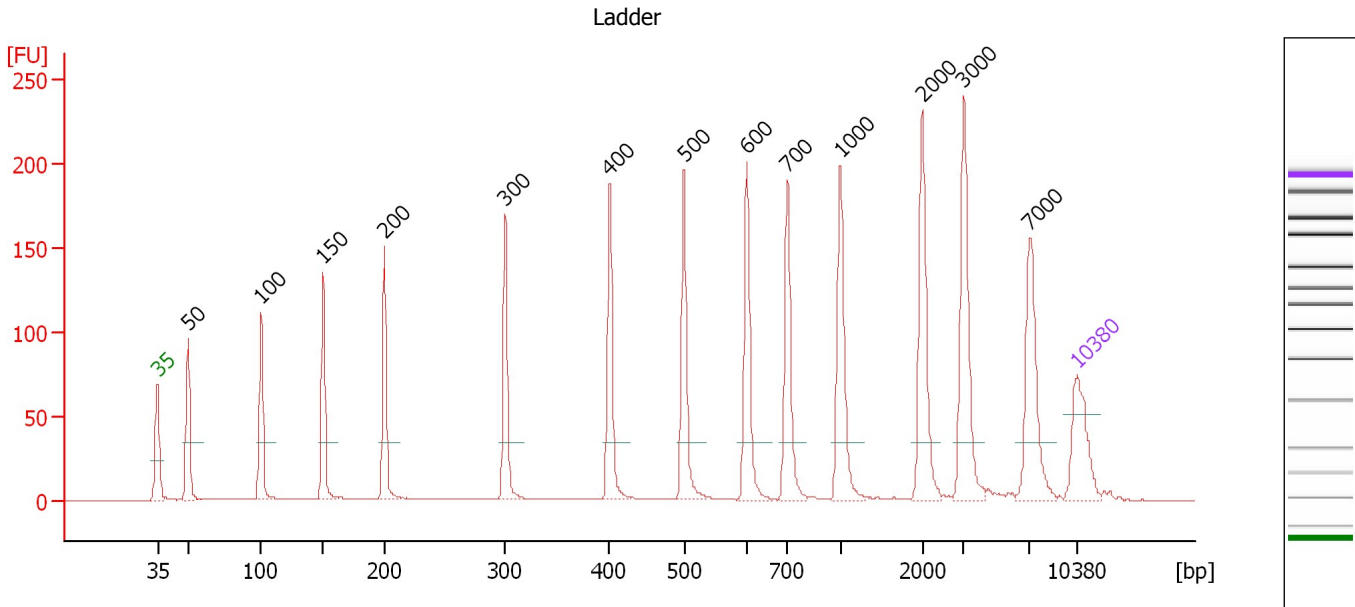
Ladder

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:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

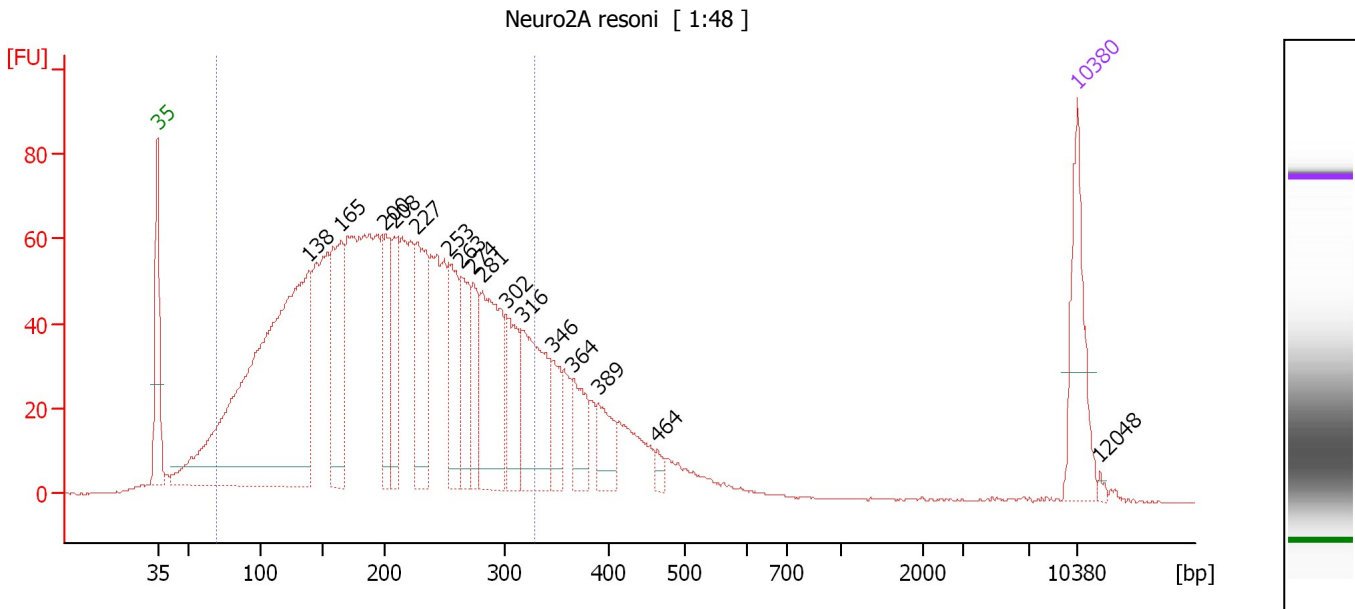
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.32	50	150.00	4,545.5	Ladder Peak
3	50.91	100	150.00	2,272.7	Ladder Peak
4	55.63	150	150.00	1,515.2	Ladder Peak
5	60.27	200	150.00	1,136.4	Ladder Peak
6	69.47	300	150.00	757.6	Ladder Peak
7	77.42	400	150.00	568.2	Ladder Peak
8	83.09	500	150.00	454.5	Ladder Peak
9	87.86	600	150.00	378.8	Ladder Peak
10	90.96	700	150.00	324.7	Ladder Peak
11	95.00	1,000	150.00	227.3	Ladder Peak
12	101.23	2,000	150.00	113.6	Ladder Peak
13	104.41	3,000	150.00	75.8	Ladder Peak
14	109.43	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
 Modified: 3/20/2014 9:43:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Neuro2A resoni

Number of peaks found: 16 Corr. Area 1: 2,125.0
 Noise: 0.2

Peak table for sample 1 : Neuro2A resoni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	54.50	138	835.89	9,175.3	
3	56.99	165	180.07	1,657.3	
4	60.25	200	102.02	773.8	
5	61.03	208	80.91	588.9	
6	62.79	227	140.98	939.8	
7	65.19	253	96.32	575.8	
8	66.09	263	84.78	488.0	
9	67.03	274	58.71	325.2	
10	67.72	281	172.21	928.6	
11	69.61	302	77.15	387.4	
12	70.77	316	141.71	678.8	
13	73.13	346	43.83	191.9	
14	74.59	364	52.55	218.5	
15	76.52	389	43.30	168.8	
16	81.03	464	10.38	33.9	
17	113.00	10,380	75.00	10.9	Upper Marker
18	114.76	12,048	0.00	0.0	

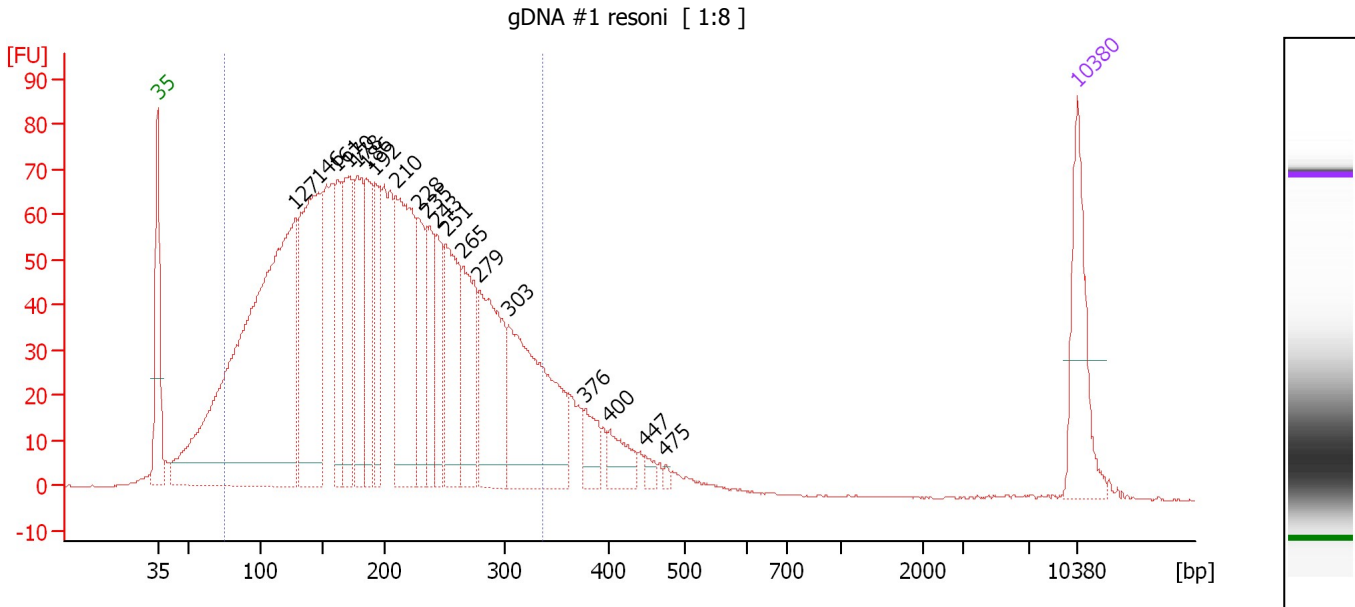
Region table for sample 1 : Neuro2A resoni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
69	329	200	28,225.4	3,058.35	2,125.0	82	33.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : gDNA #1 resoni

Number of peaks found: 19 Corr. Area 1: 2,290.5
 Noise: 0.2

Peak table for sample 2 : gDNA #1 resoni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	53.48	127	896.13	10,673.9	
3	55.28	146	335.48	3,474.8	
4	56.70	161	111.11	1,042.5	
5	57.52	170	155.62	1,384.8	
6	58.20	178	136.44	1,163.5	
7	58.93	186	109.88	897.3	
8	59.53	192	91.78	724.2	
9	61.17	210	244.05	1,763.4	
10	62.84	228	89.45	594.7	
11	63.53	235	74.67	480.6	
12	64.21	243	75.62	471.8	
13	64.94	251	133.50	806.5	
14	66.28	265	112.85	644.6	
15	67.52	279	168.04	913.2	
16	69.71	303	238.76	1,193.7	
17	75.51	376	32.39	130.5	
18	77.40	400	33.69	127.7	
19	80.10	447	8.79	29.8	
20	81.69	475	3.63	11.6	
21	113.00	10,380	75.00	10.9	Upper Marker

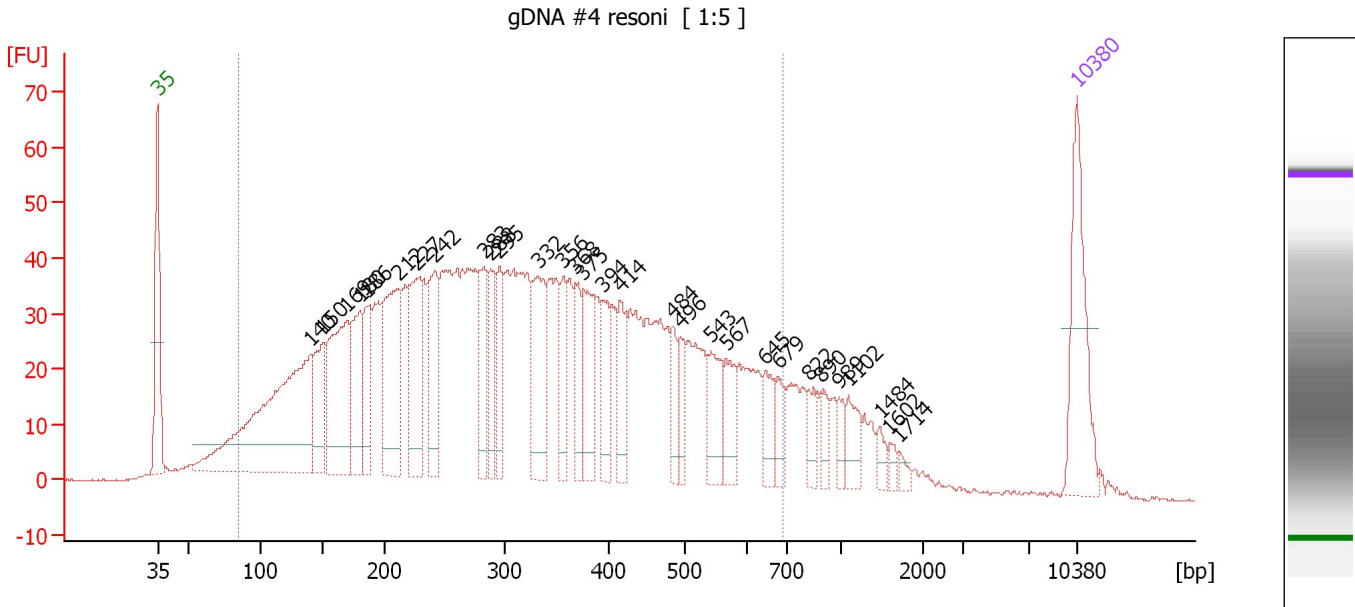
Region table for sample 2 : gDNA #1 resoni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
75	335	195	30,047.8	3,196.67	2,290.5	86	34.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : gDNA #4 resoni

Number of peaks found: 30 Corr. Area 1: 1,920.6
 Noise: 0.2

Peak table for sample 3 : gDNA #4 resoni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	54.65	140	346.82	3,763.7	
3	55.61	150	69.84	706.8	
4	57.42	169	152.74	1,367.0	
5	58.42	180	87.20	733.9	
6	58.98	186	57.43	467.6	
7	61.37	212	127.49	911.7	
8	62.80	227	110.21	734.3	
9	64.14	242	83.76	524.4	
10	67.86	283	62.71	336.3	
11	68.34	288	50.02	263.4	
12	69.03	295	49.29	253.0	
13	71.98	332	86.94	397.3	
14	73.88	356	41.05	174.9	
15	74.84	368	41.62	171.6	
16	75.40	375	59.84	242.0	
17	76.92	394	43.89	168.9	
18	78.22	414	41.88	153.2	
19	82.16	484	28.18	88.3	
20	82.85	496	24.67	75.4	
21	85.15	543	42.47	118.5	
22	86.27	567	33.16	88.7	
23	89.26	645	25.12	59.0	
24	90.30	679	21.39	47.7	
25	92.60	822	19.35	35.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

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Electropherogram Summary Continued ...

... Peak table for sample 3 : gDNA #4 resoni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	93.51	890	13.48	23.0	
27	94.85	989	12.68	19.4	
28	95.63	1,102	22.32	30.7	
29	98.01	1,484	9.36	9.6	
30	98.75	1,602	5.95	5.6	
31	99.44	1,714	5.81	5.1	
32	113.00	10,380	75.00	10.9	Upper Marker

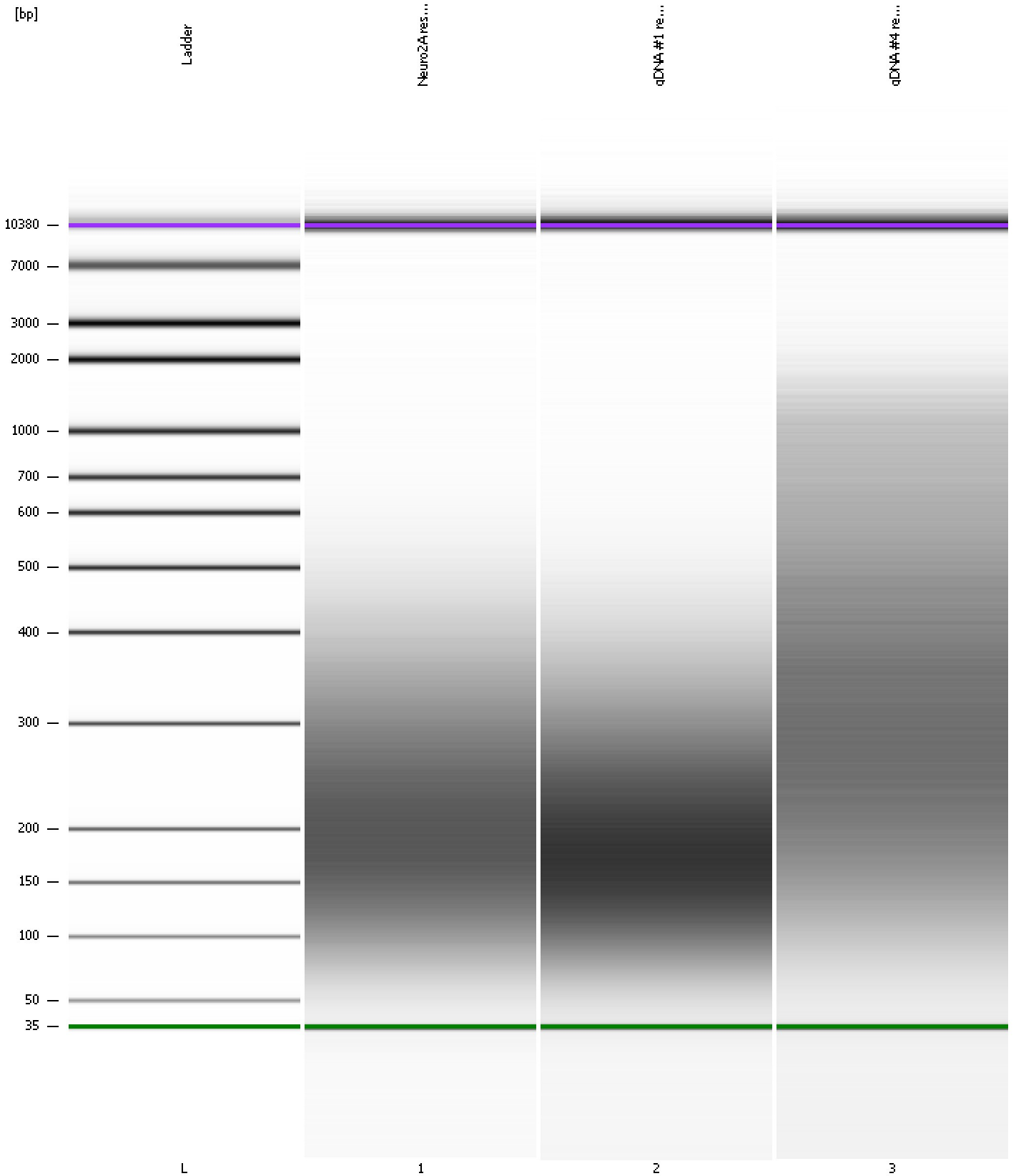
Region table for sample 3 : gDNA #4 resoni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
85	688	328	19,333.9	2,977.13	1,920.6	89	43.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
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Gel Image

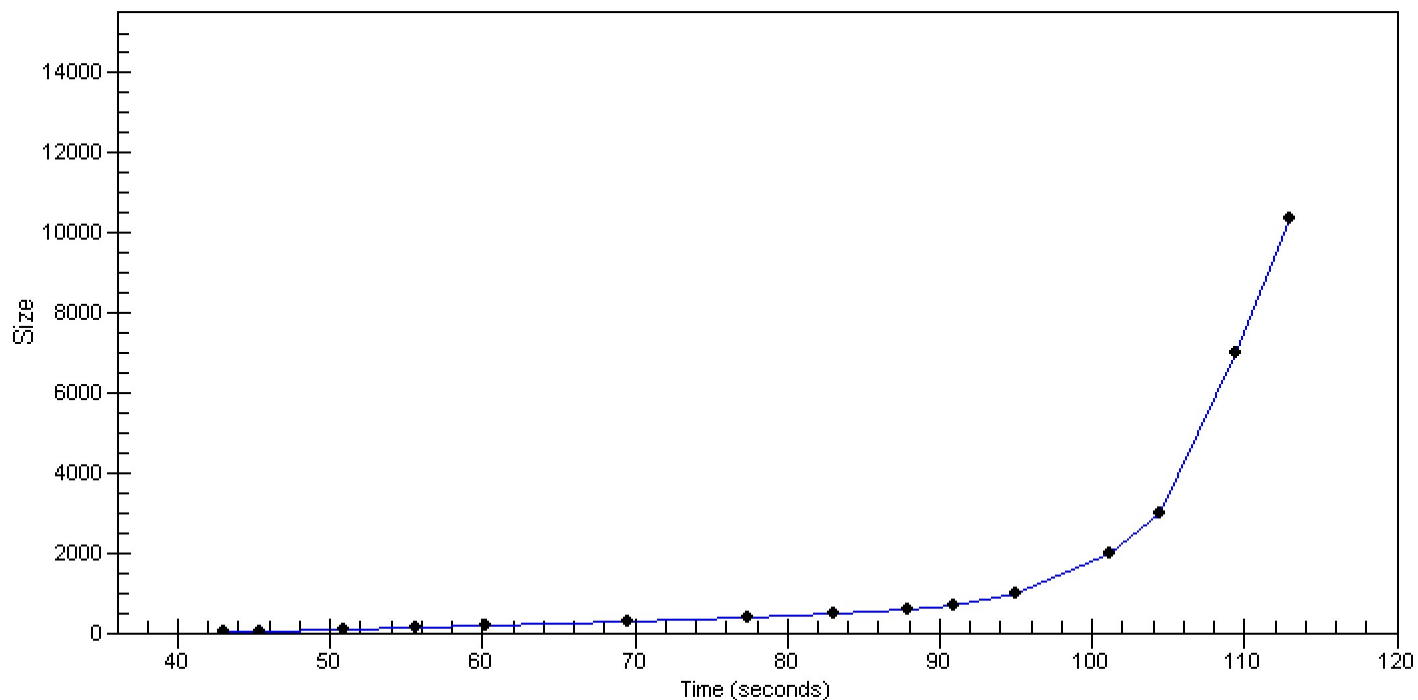


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad

Created: 3/20/2014 8:43:54 AM
Modified: 3/20/2014 9:43:45 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 3/20/2014 8:43:54 AM
 Data Path: C:\... Settings\Bioanalyzer\2014-03-20\2014-03-20_001_soni_HO.xad Modified: 3/20/2014 9:43:45 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/20/2014 9:22:19 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-03-20\2014-03-20_001.xad)		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/20/2014 8:44:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1