

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
Modified: 1/14/2020 4:39:14 PM

Electrophoresis File Run Summary

Instrument Information:

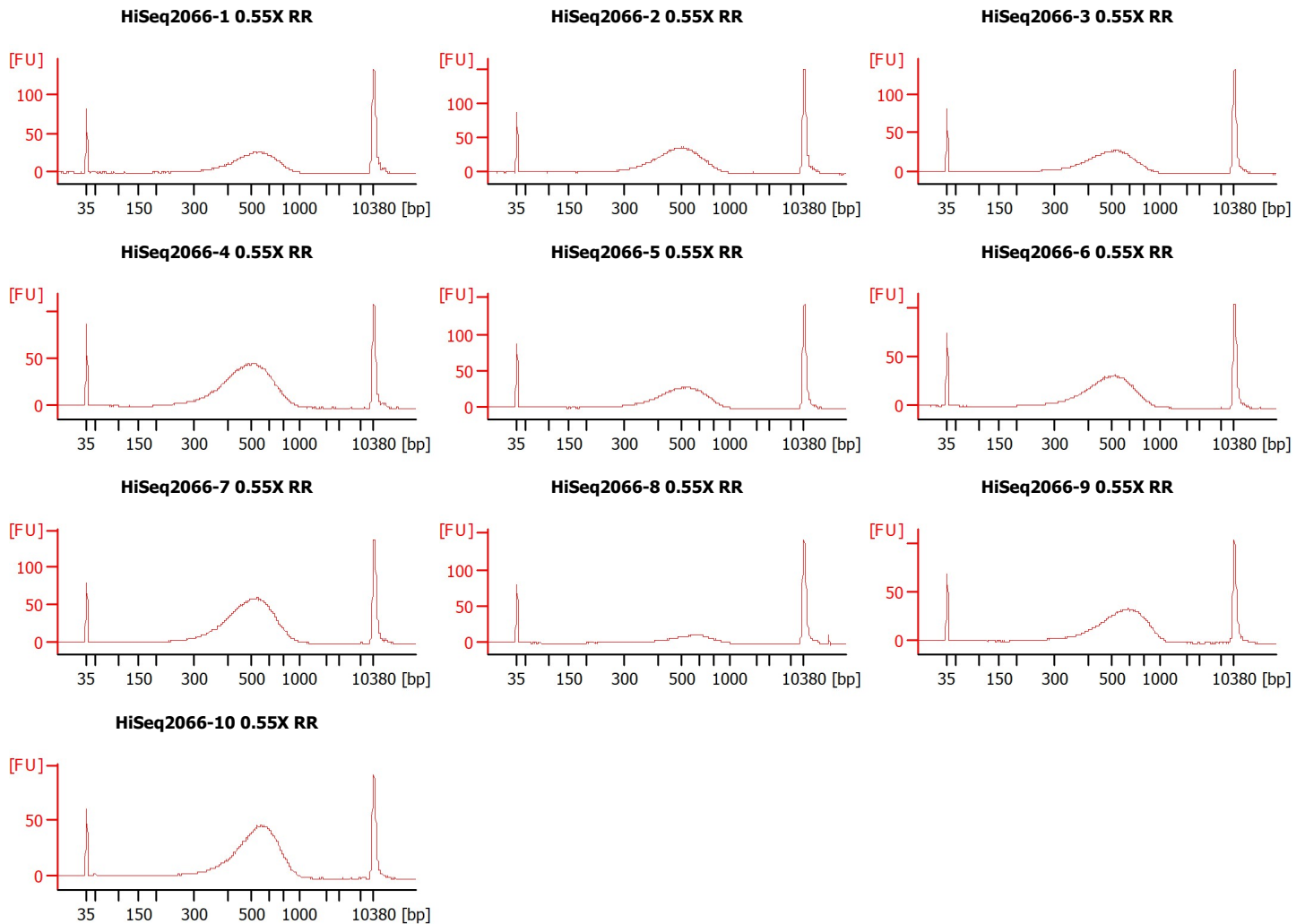
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HiSeq2066-1 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-2 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-3 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-4 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-5 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-6 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-7 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-8 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-9 0.55X RR		<input type="checkbox"/>	✓			
HiSeq2066-10 0.55X RR		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 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

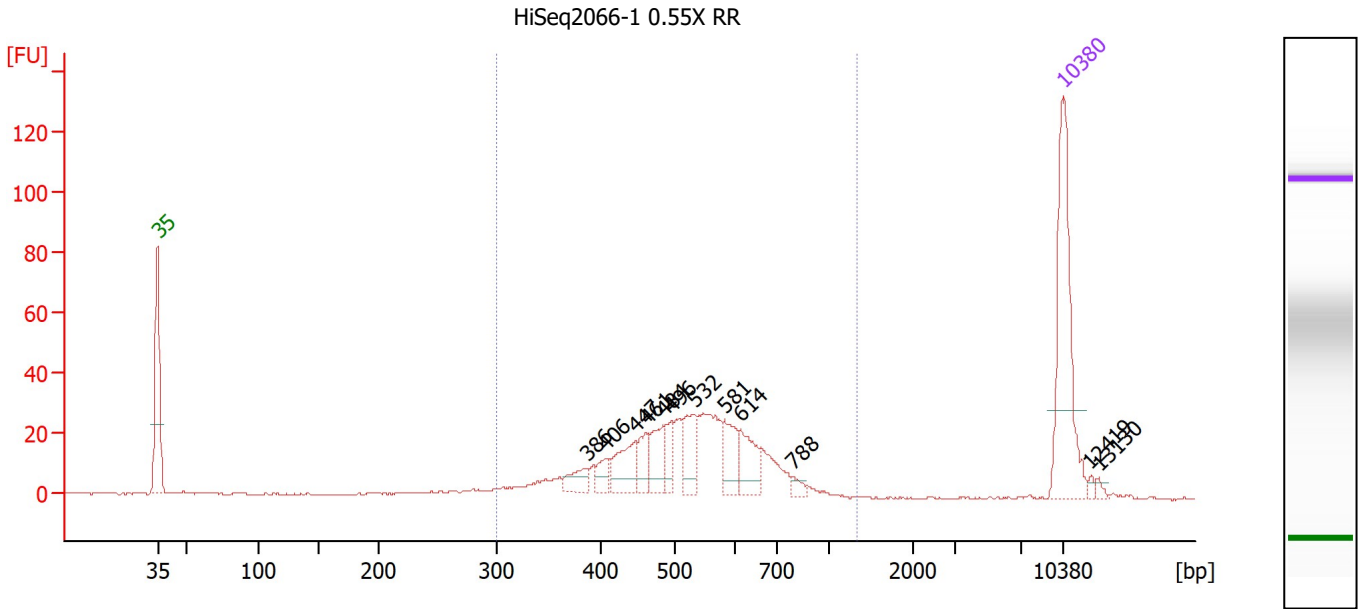
Ladder

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: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary



Overall Results for sample 1 : HiSeq2066-1 0.55X RR

Number of peaks found: 12 Corr. Area 1: 437.0
 Noise: 0.2

Peak table for sample 1 : HiSeq2066-1 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	386	13.88	54.4	
3	406	10.12	37.8	
4	447	27.80	94.3	
5	461	17.03	55.9	
6	484	25.24	79.1	
7	496	13.33	40.7	
8	532	25.82	73.5	
9	581	24.15	62.9	
10	614	25.12	61.9	
11	788	4.49	8.6	
12	10,380	75.00	10.9	Upper Marker
13	12,419	0.00	0.0	
14	13,130	0.00	0.0	

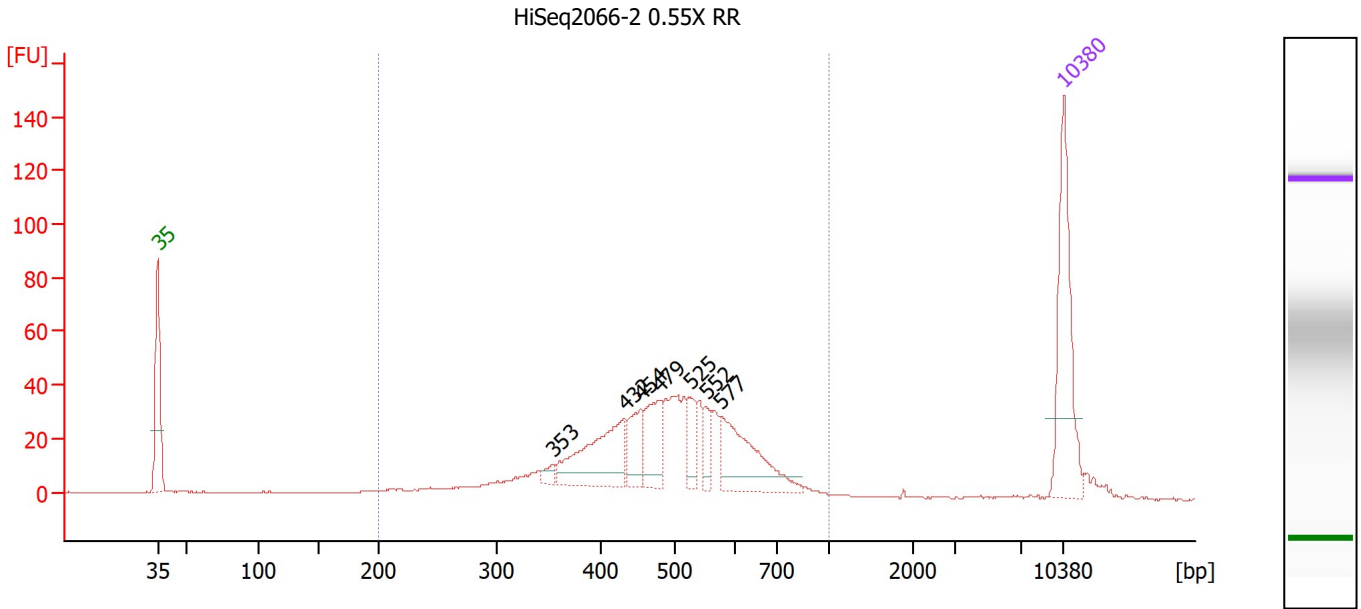
Region table for sample 1 : HiSeq2066-1 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
301	1,327	437.0	91	530	22.7	324.93	992.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq2066-2 0.55X RR

Number of peaks found: 7 Corr. Area 1: 660.2
 Noise: 0.2

Peak table for sample 2 : HiSeq2066-2 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	353	6.95	29.8	
3	432	79.95	280.5	
4	454	30.72	102.6	
5	479	42.37	134.2	
6	525	20.27	58.5	
7	552	15.26	41.9	
8	577	70.71	185.6	
9	10,380	75.00	10.9	Upper Marker

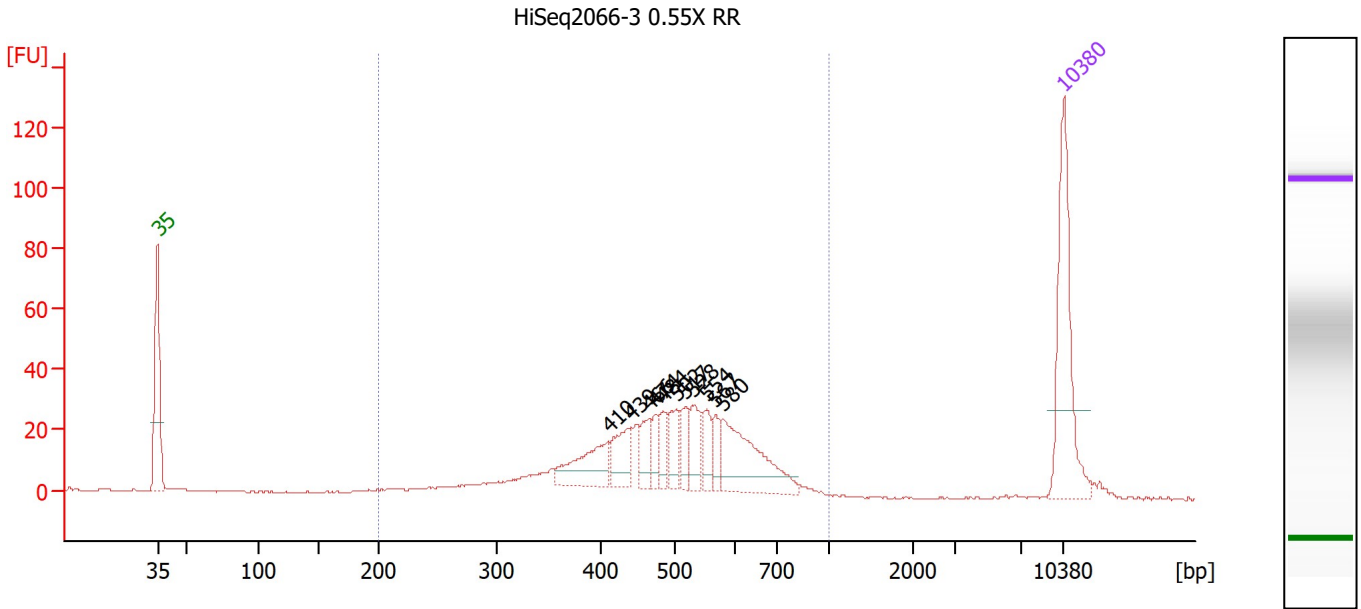
Region table for sample 2 : HiSeq2066-2 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	660.2	93	489	23.9	483.89	1,642.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq2066-3 0.55X RR

Number of peaks found: 11 Corr. Area 1: 521.9
 Noise: 0.2

Peak table for sample 3 : HiSeq2066-3 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	410	43.61	161.3	
3	439	29.29	101.0	
4	466	17.91	58.3	
5	474	14.78	47.3	
6	484	15.41	48.2	
7	502	21.65	65.3	
8	517	17.13	50.2	
9	528	20.66	59.2	
10	554	17.74	48.5	
11	567	13.48	36.0	
12	580	72.18	188.6	
13	10,380	75.00	10.9	Upper Marker

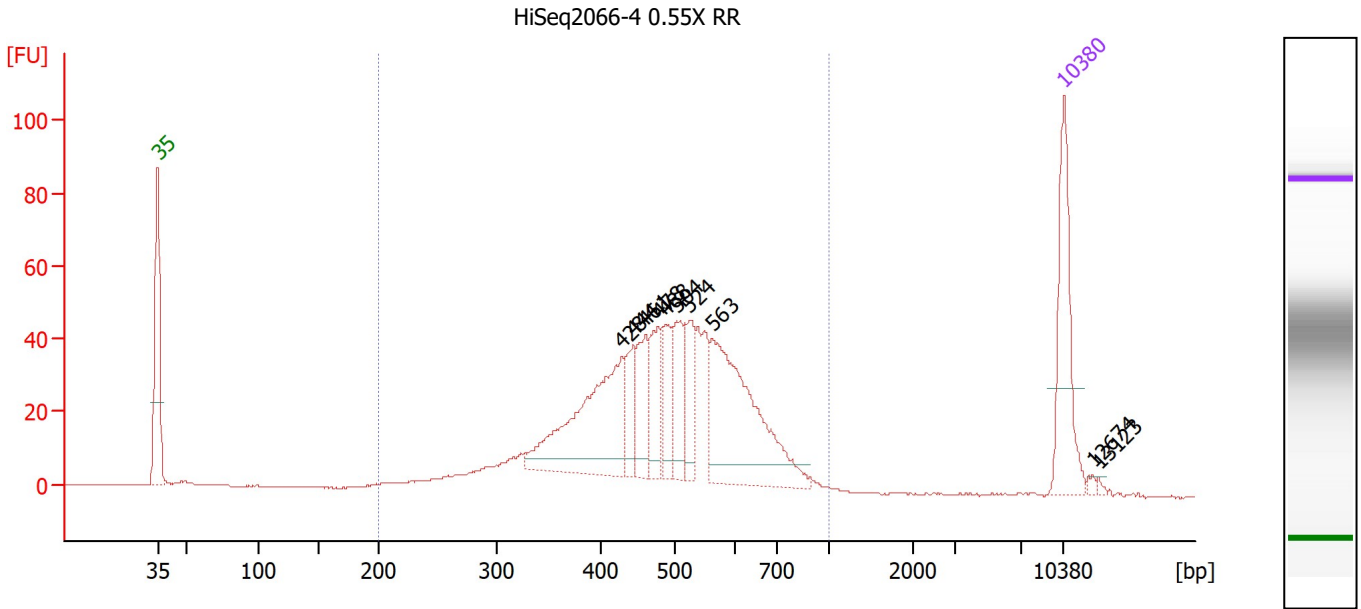
Region table for sample 3 : HiSeq2066-3 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	521.9	95	496	24.2	418.49	1,407.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq2066-4 0.55X RR

Number of peaks found: 10 Corr. Area 1: 864.7
 Noise: 0.2

Peak table for sample 4 : HiSeq2066-4 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	428	176.24	624.4	
3	444	37.69	128.7	
4	461	49.79	163.8	
5	478	48.11	152.7	
6	488	41.87	130.1	
7	504	49.95	150.3	
8	524	41.05	118.7	
9	563	186.19	501.4	
10	10,380	75.00	10.9	Upper Marker
11	12,674	0.00	0.0	
12	13,123	0.00	0.0	

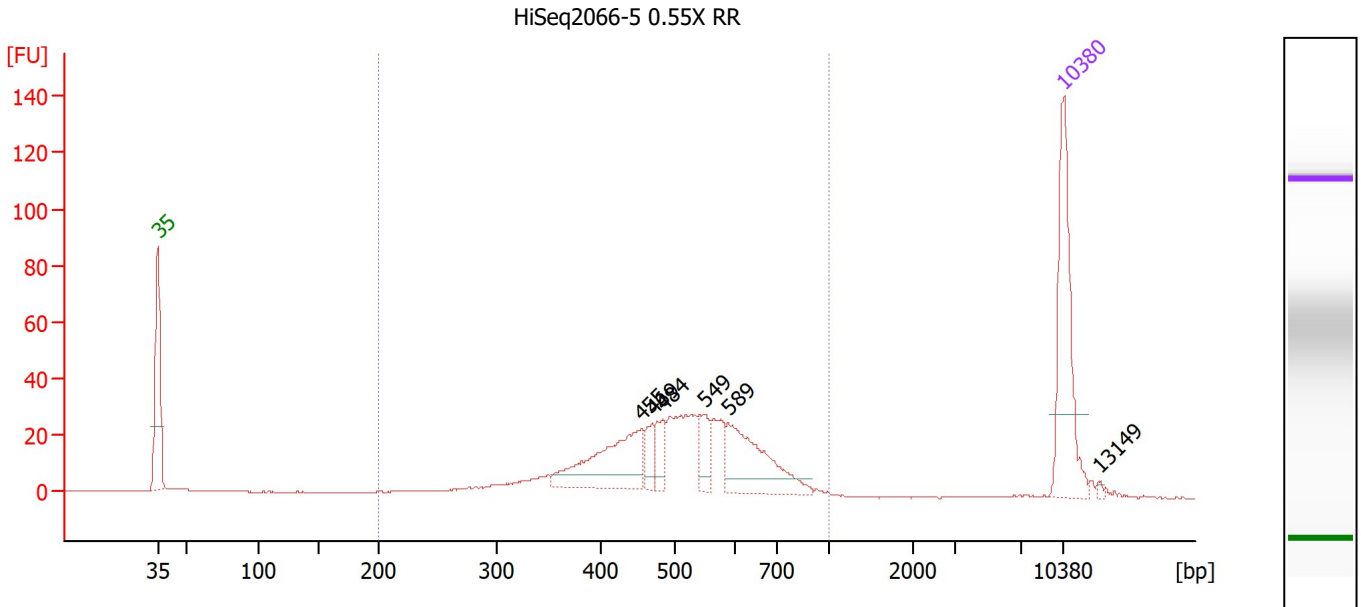
Region table for sample 4 : HiSeq2066-4 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	864.7	96	490	24.2	898.79	3,044.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq2066-5 0.55X RR

Number of peaks found: 6 Corr. Area 1: 493.4
 Noise: 0.2

Peak table for sample 5 : HiSeq2066-5 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	455	85.92	286.1	
3	469	17.13	55.3	
4	484	18.41	57.7	
5	549	19.66	54.2	
6	589	72.20	185.8	
7	10,380	75.00	10.9	Upper Marker
8	13,149	0.00	0.0	

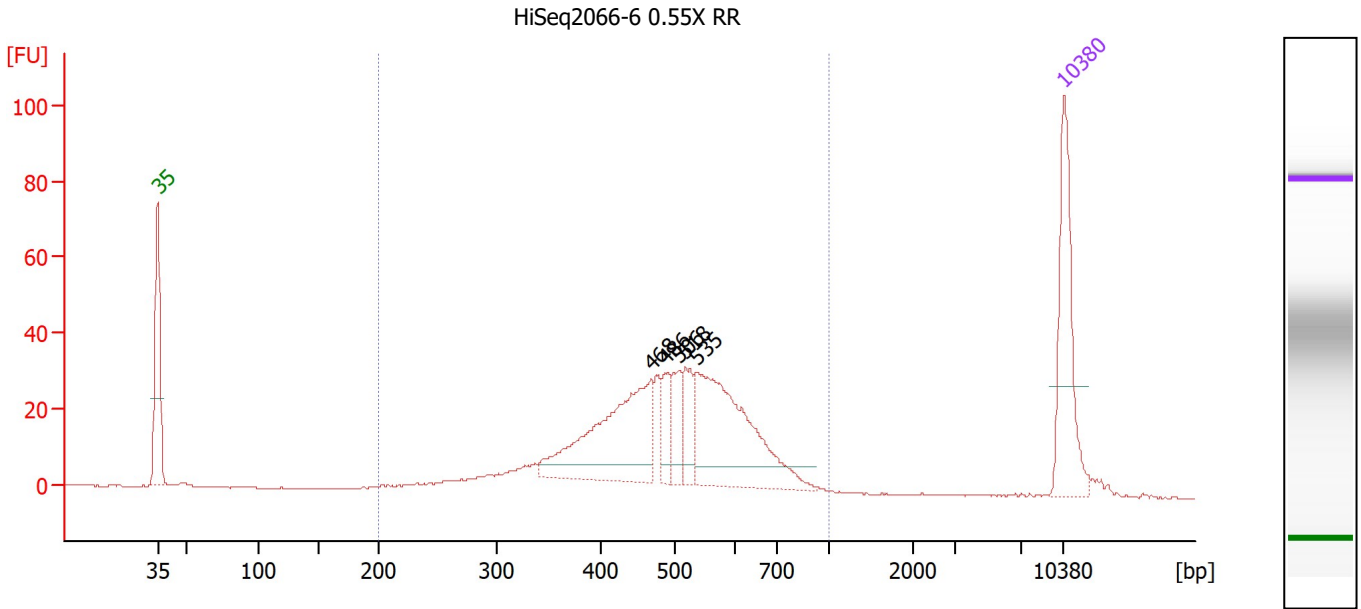
Region table for sample 5 : HiSeq2066-5 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	493.4	96	510	23.3	375.22	1,210.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq2066-6 0.55X RR

Number of peaks found: 5 Corr. Area 1: 557.4
 Noise: 0.2

Peak table for sample 6 : HiSeq2066-6 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	468	164.54	532.2	
3	486	23.78	74.1	
4	506	33.11	99.2	
5	518	31.15	91.1	
6	535	171.23	484.5	
7	10,380	75.00	10.9	Upper Marker

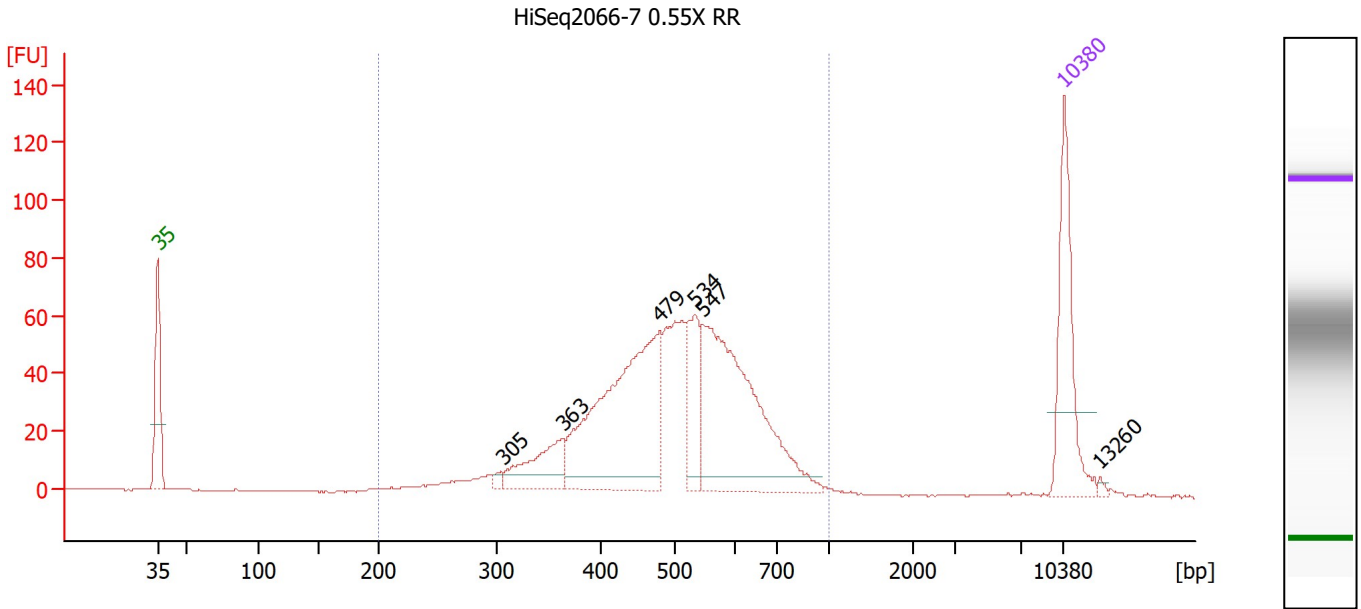
Region table for sample 6 : HiSeq2066-6 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	557.4	97	494	23.4	567.54	1,897.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HiSeq2066-7 0.55X RR

Number of peaks found: 6 Corr. Area 1: 1,036.8
 Noise: 0.2

Peak table for sample 7 : HiSeq2066-7 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	305	5.24	26.0	
3	363	57.85	241.3	
4	479	255.46	807.6	
5	534	59.00	167.3	
6	547	237.92	659.5	
7	10,380	75.00	10.9	Upper Marker
8	13,260	0.00	0.0	

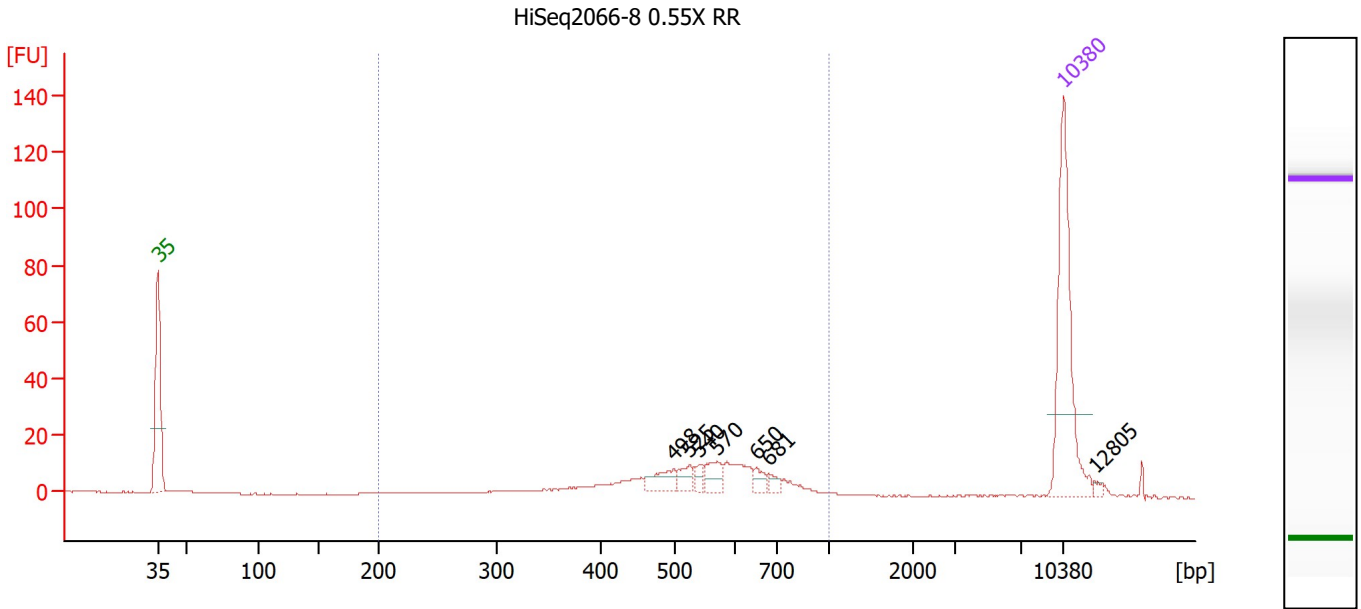
Region table for sample 7 : HiSeq2066-7 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,036.8	97	502	23.5	785.37	2,580.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HiSeq2066-8 0.55X RR

Number of peaks found: 7 Corr. Area 1: 180.4
 Noise: 0.2

Peak table for sample 8 : HiSeq2066-8 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	498	14.28	43.4	
3	525	9.25	26.7	
4	540	5.48	15.4	
5	570	11.94	31.8	
6	650	6.38	14.9	
7	681	4.58	10.2	
8	10,380	75.00	10.9	Upper Marker
9	12,805	0.00	0.0	

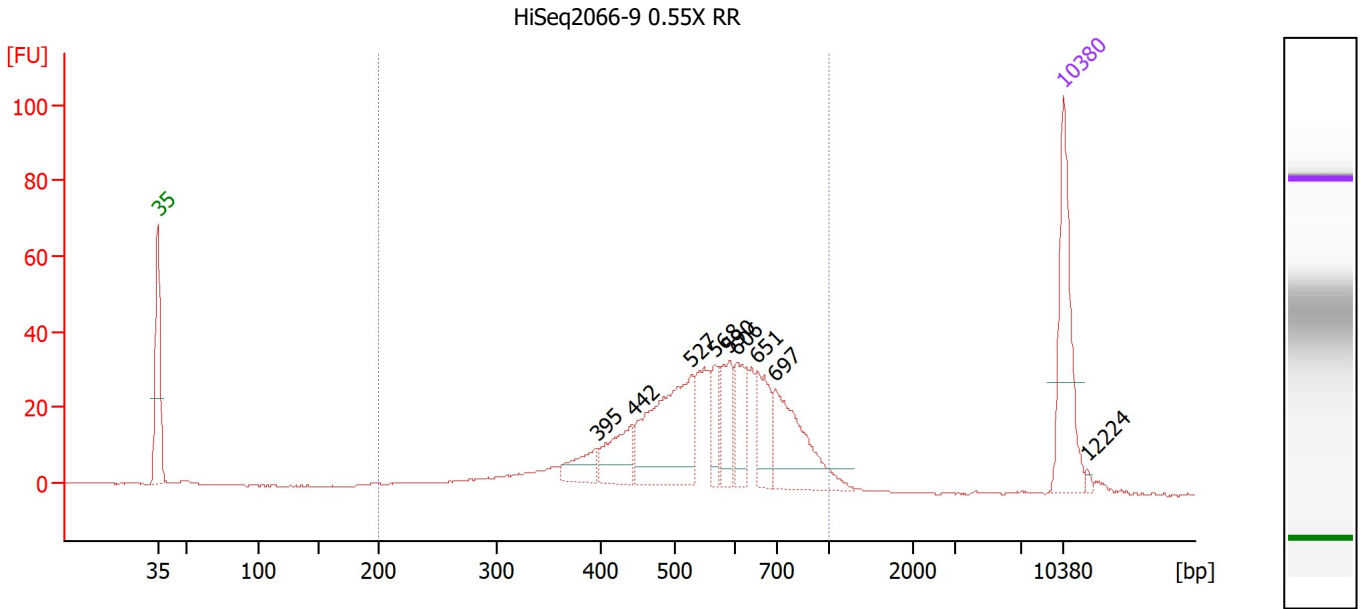
Region table for sample 8 : HiSeq2066-8 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	180.4	85	543	24.7	135.88	419.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HiSeq2066-9 0.55X RR

Number of peaks found: 9 Corr. Area 1: 566.4
 Noise: 0.2

Peak table for sample 9 : HiSeq2066-9 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	395	26.91	103.1	
3	442	44.87	153.7	
4	527	137.34	394.7	
5	568	25.91	69.1	
6	590	39.59	101.6	
7	606	38.90	97.3	
8	651	41.49	96.5	
9	697	86.30	187.6	
10	10,380	75.00	10.9	Upper Marker
11	12,224	0.00	0.0	

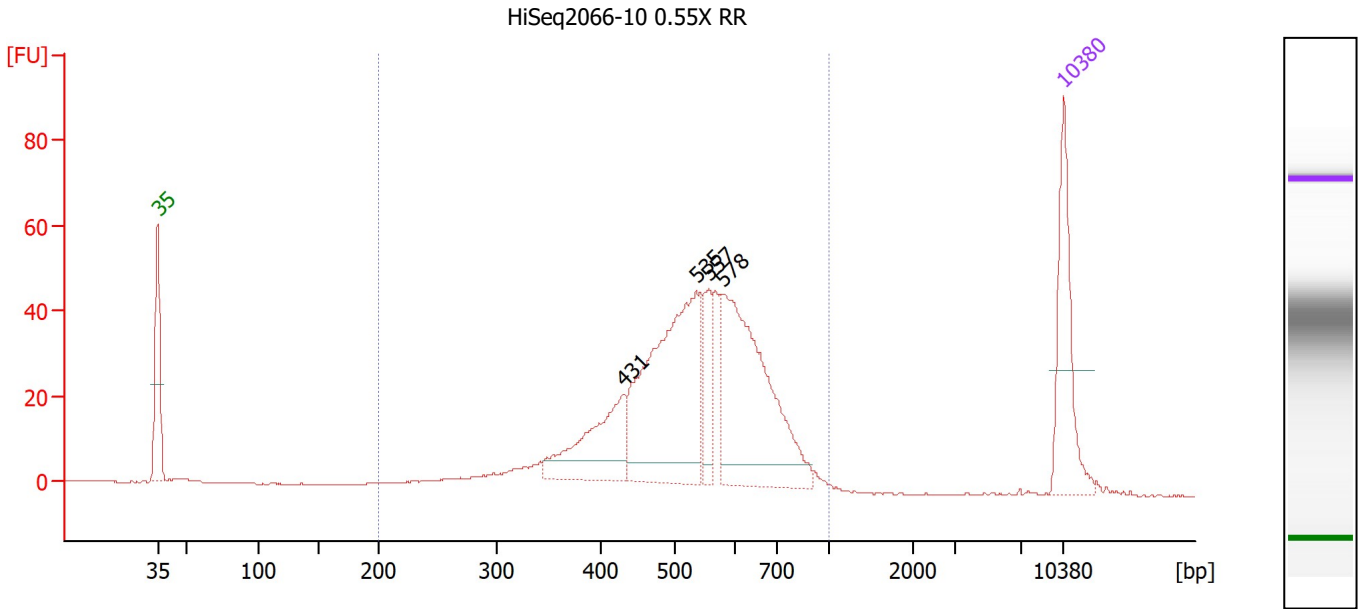
Region table for sample 9 : HiSeq2066-9 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	566.4	95	558	26.0	614.61	1,860.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
 Modified: 1/14/2020 4:39:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HiSeq2066-10 0.55X RR

Number of peaks found: 4 Corr. Area 1: 696.6
 Noise: 0.1

Peak table for sample 10 : HiSeq2066-10 0.55X RR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	431	101.51	357.0	
3	535	250.86	710.3	
4	557	39.34	107.1	
5	578	224.81	589.2	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : HiSeq2066-10 0.55X RR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	696.6	98	532	22.6	785.54	2,429.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
Modified: 1/14/2020 4:39:14 PM

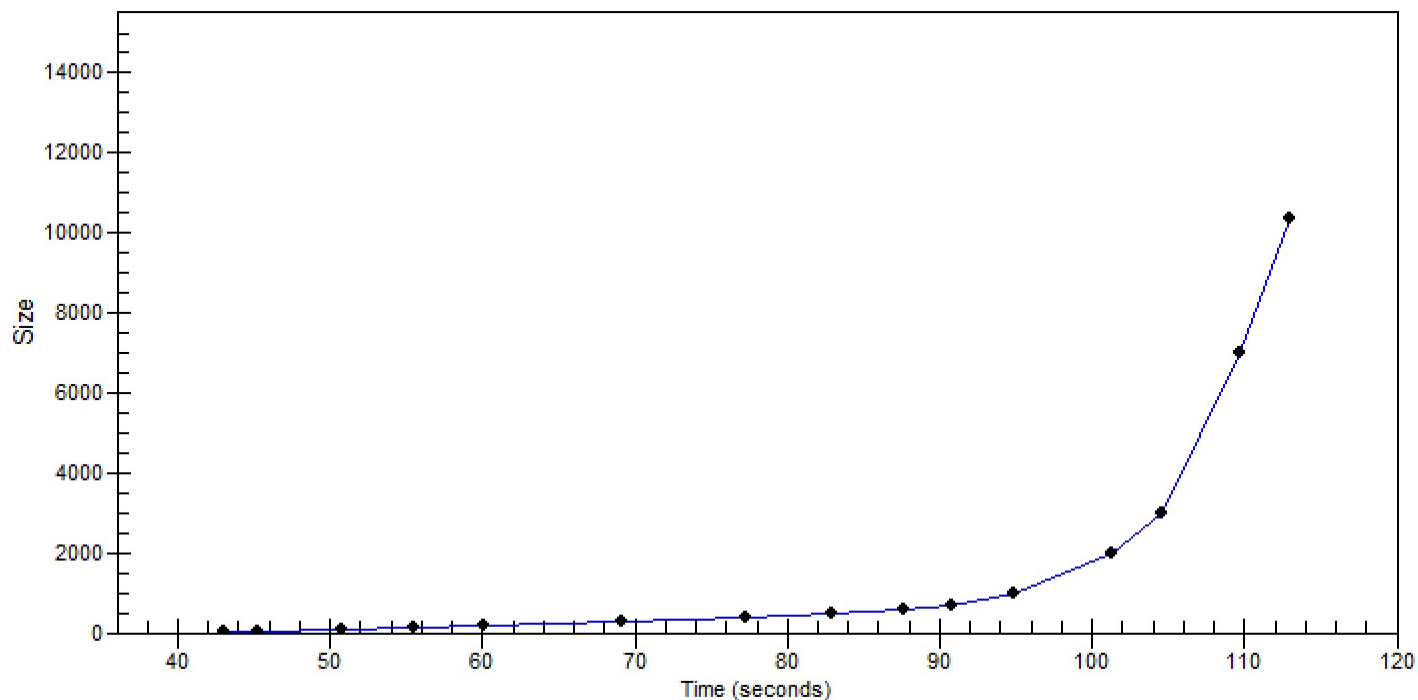
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad

Created: 1/14/2020 3:41:23 PM
Modified: 1/14/2020 4:39:14 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 1/14/2020 3:41:23 PM
 Data Path: Z:\... Sensitivity DNA Assay_2020-01-14_001_HiSeq2066_55X_RSS.xad Modified: 1/14/2020 4:39:14 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/14/2020 4:22:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-14\Bioanalyze r1_High Sensitivity DNA Assay_2020-01-14_001.xad)		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/14/2020 3:41:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB