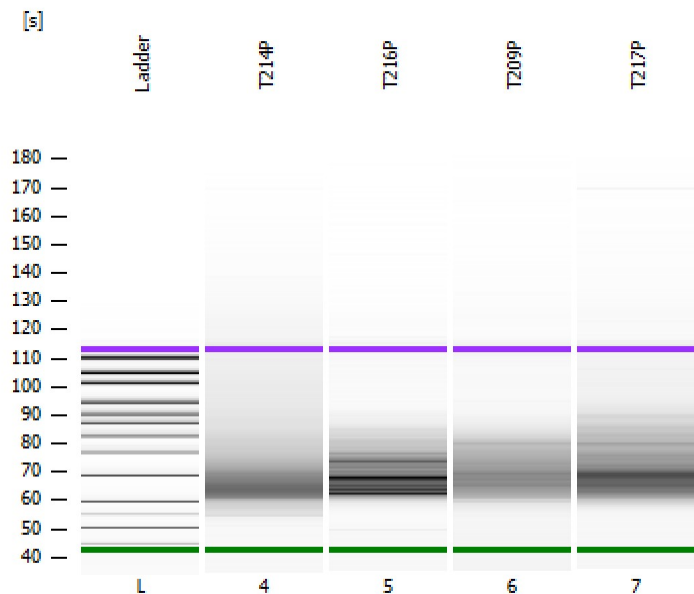


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 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

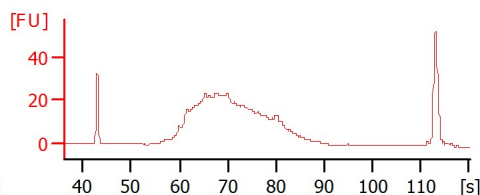
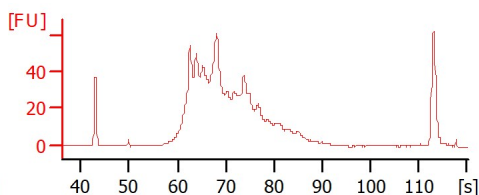
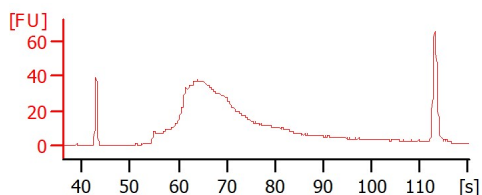
Chip Information:

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

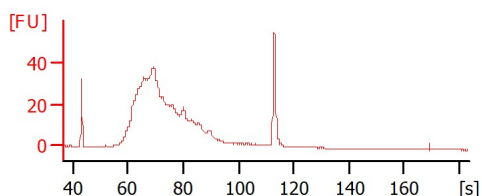
T214P

T216P

T209P



T217P



Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
Modified: 6/29/2023 4:48:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
T214P		<input type="checkbox"/>	✓			
T216P		<input type="checkbox"/>	✓			
T209P		<input type="checkbox"/>	✓			
T217P		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
Modified: 6/29/2023 4:48:38 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

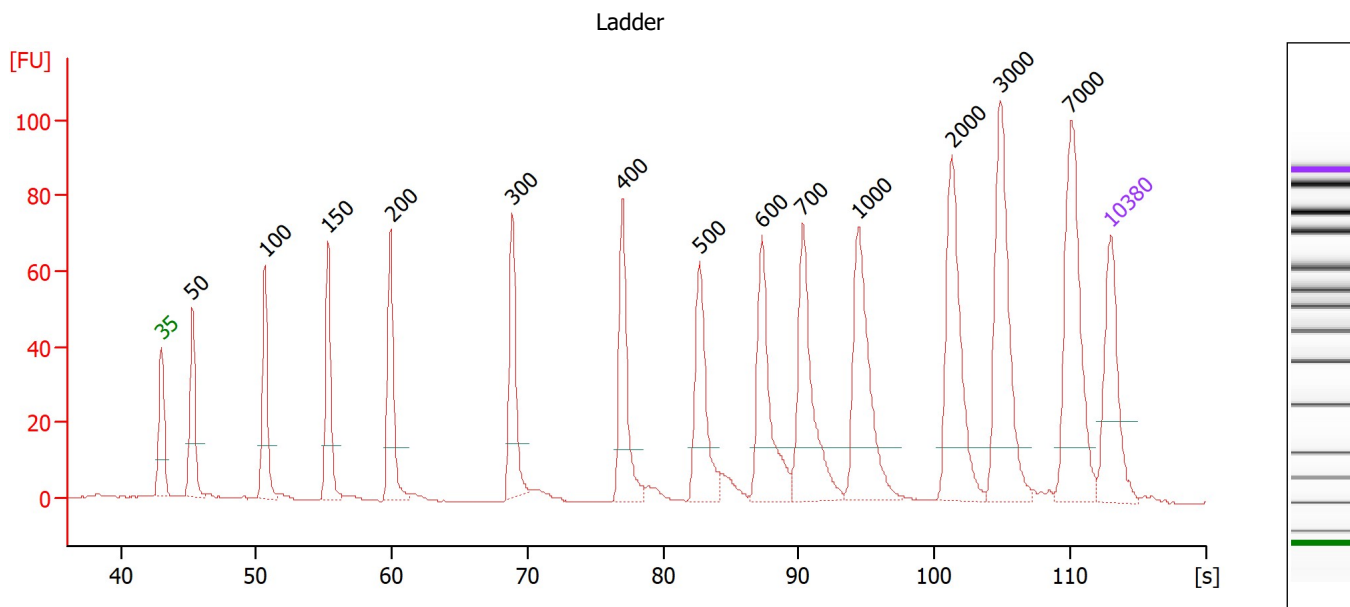
Ladder

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:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

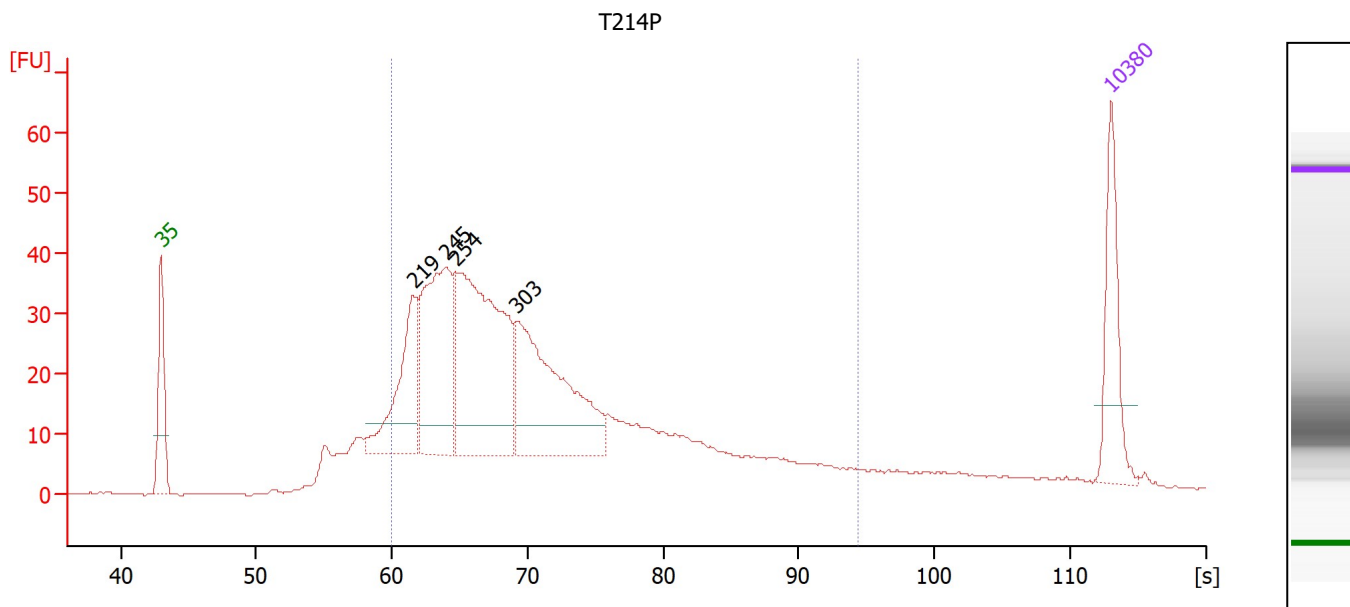
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : T214P

Number of peaks found: 4 Corr. Area 1: 755.2
 Noise: 0.2

Peak table for sample 4 : T214P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	219	152.99	1,060.3	
3	245	246.64	1,528.0	
4	254	372.72	2,221.6	
5	303	264.29	1,319.6	
6	10,380	75.00	10.9	Upper Marker

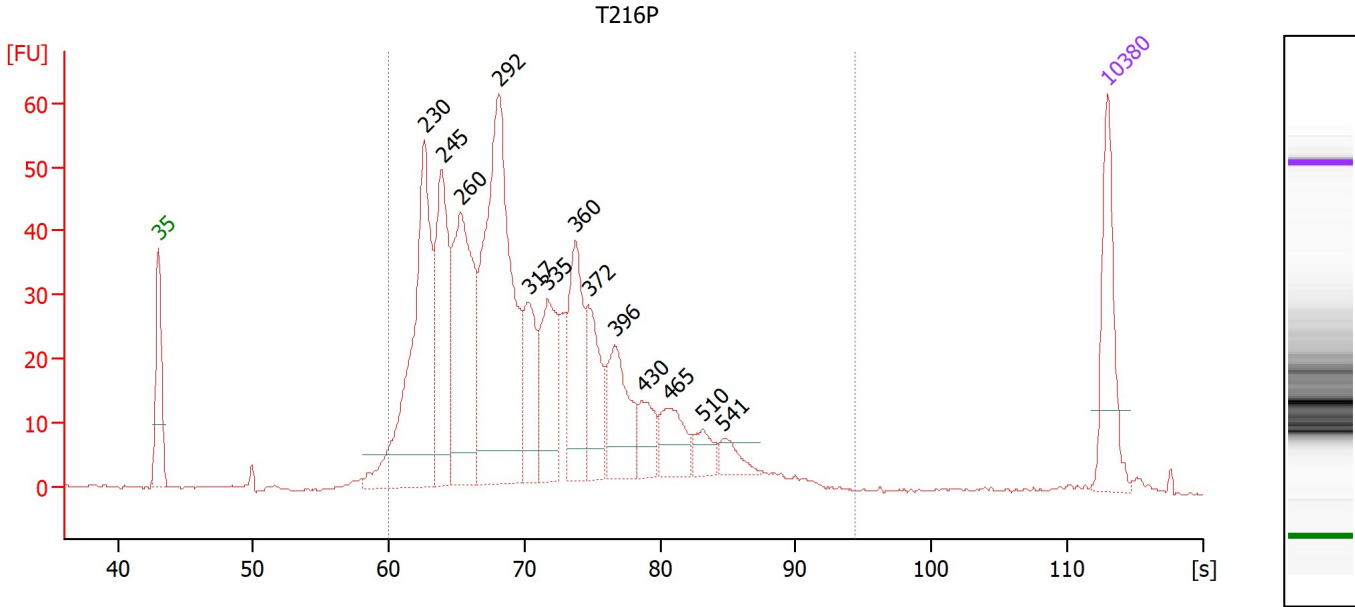
Region table for sample 4 : T214P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.93	94.40	755.2	81	349	41.5	1,667.69	8,454.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : T216P

Number of peaks found: 13 Corr. Area 1: 860.2
 Noise: 0.1

Peak table for sample 5 : T216P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	230	320.08	2,110.8	
3	245	183.42	1,135.1	
4	260	233.28	1,359.8	
5	292	412.46	2,143.1	
6	317	86.20	411.4	
7	335	102.85	465.2	
8	360	120.23	506.0	
9	372	76.59	312.2	
10	396	86.68	331.7	
11	430	38.97	137.5	
12	465	49.08	160.0	
13	510	24.08	71.5	
14	541	20.89	58.4	
15	10,380	75.00	10.9	Upper Marker

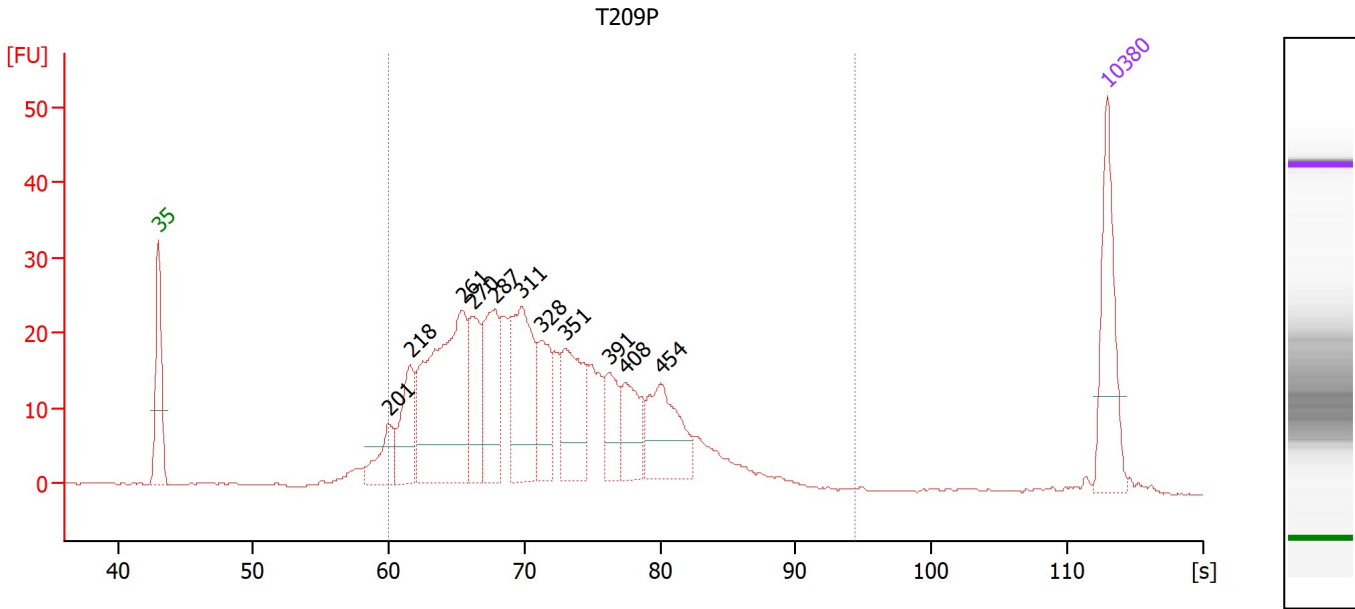
Region table for sample 5 : T216P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.93	94.40	860.2	97	329	29.3	1,910.19	9,632.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : T209P

Number of peaks found: 11 Corr. Area 1: 511.6
 Noise: 0.1

Peak table for sample 6 : T209P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	201	45.46	343.3	
3	218	73.61	511.0	
4	261	260.95	1,513.4	
5	270	68.91	386.0	
6	287	99.65	525.4	
7	311	138.76	676.8	
8	328	66.07	304.7	
9	351	90.93	392.0	
10	391	42.89	166.1	
11	408	50.51	187.5	
12	454	88.52	295.7	
13	10,380	75.00	10.9	Upper Marker

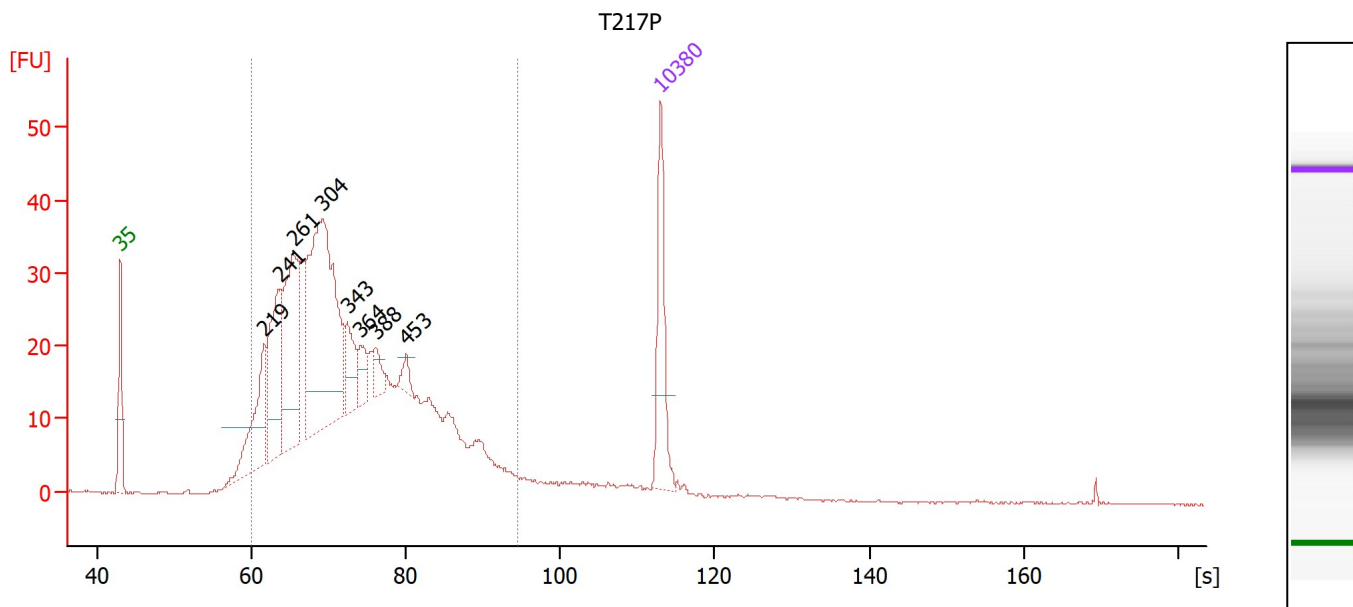
Region table for sample 6 : T209P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.93	94.40	511.6	96	339	27.9	1,277.95	6,267.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : T217P

Number of peaks found: 8 Corr. Area 1: 768.4
 Noise: 0.1

Peak table for sample 7 : T217P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	219	122.77	849.4	
3	241	137.91	868.1	
4	261	197.15	1,145.0	
5	304	374.42	1,866.4	
6	343	47.45	209.3	
7	364	25.98	108.1	
8	388	20.37	79.5	
9	453	14.45	48.3	
10	10,380	75.00	10.9	Upper Marker

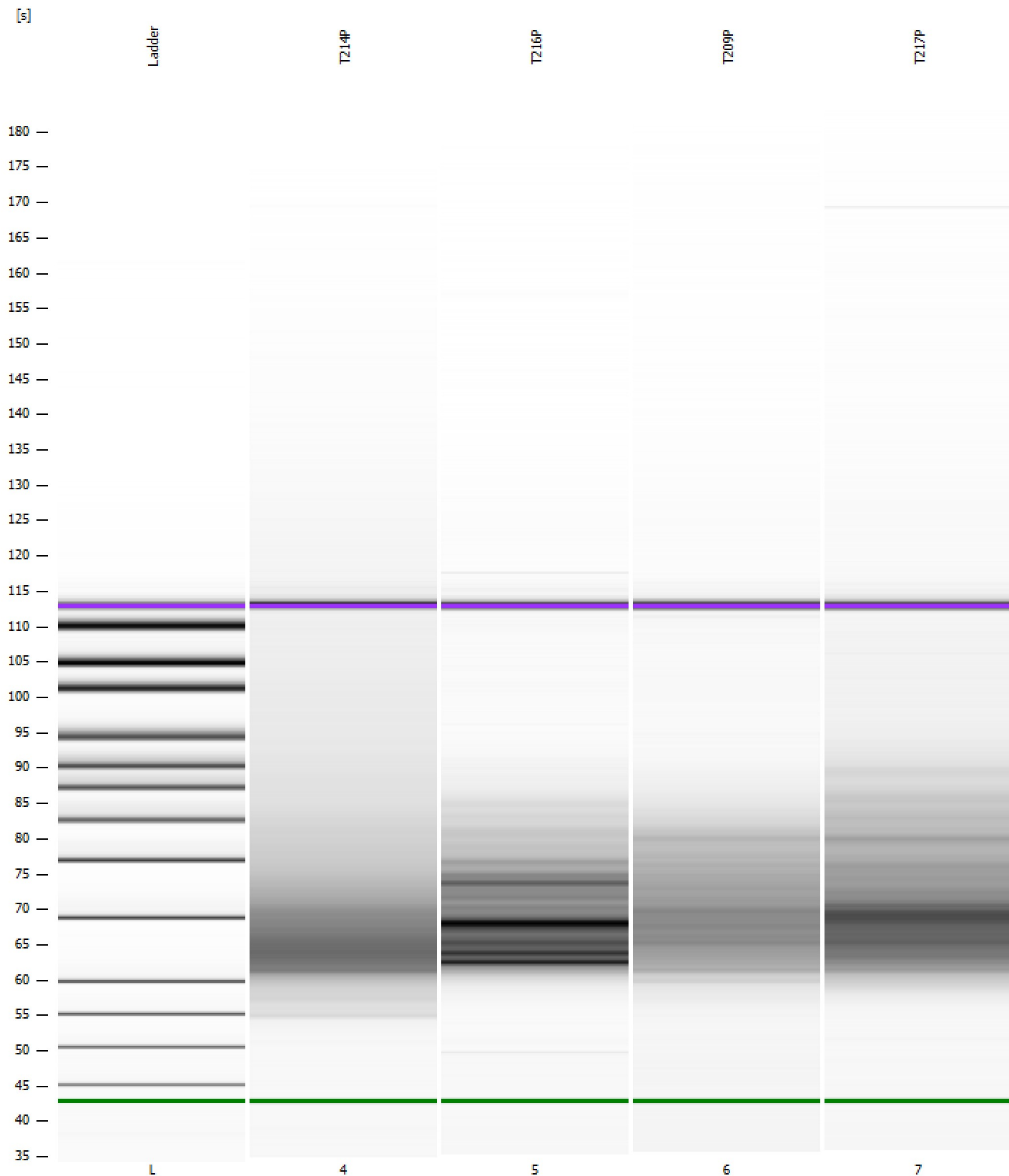
Region table for sample 7 : T217P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.93	94.40	768.4	92	366	36.8	1,904.80	9,083.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
Modified: 6/29/2023 4:48:38 PM

Gel Image

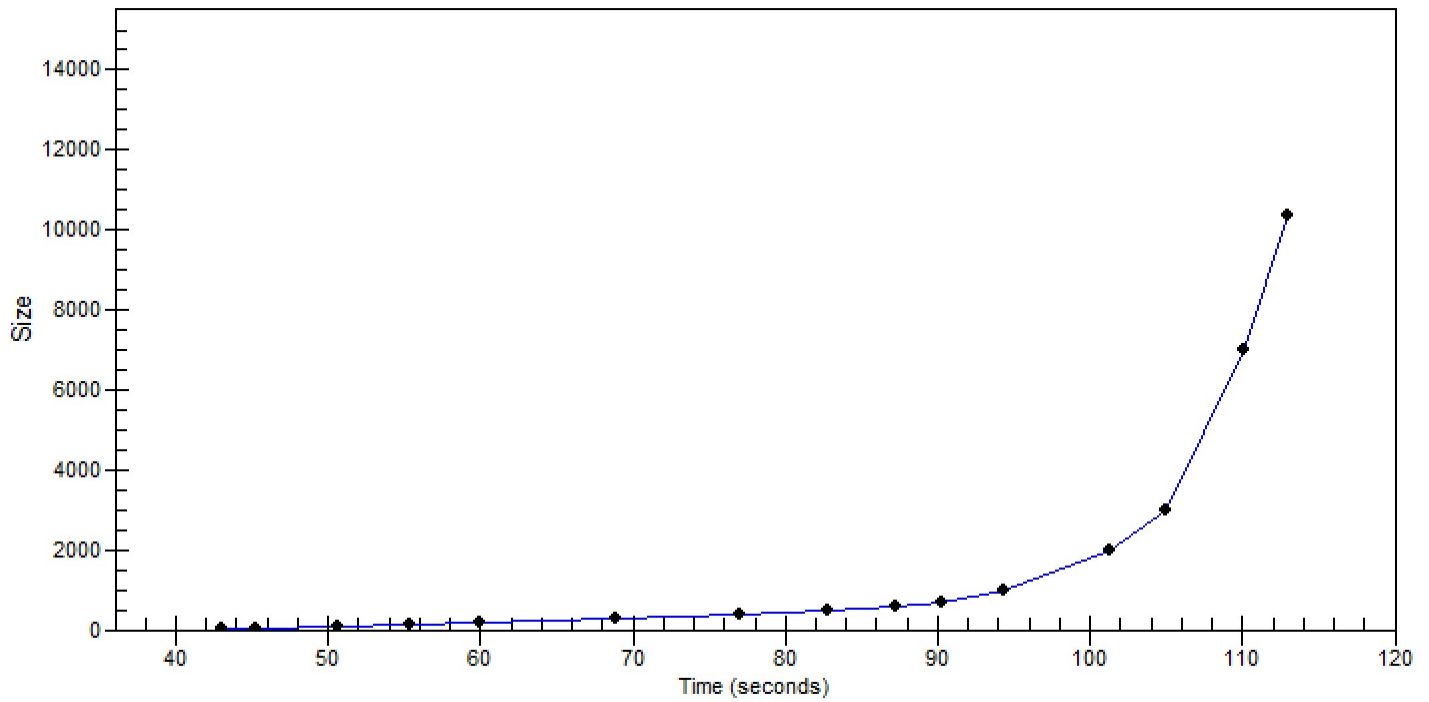


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
Modified: 6/29/2023 4:48:38 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-29\T214P-T216P-T209P-T217P.xad

Created: 6/29/2023 3:29:02 PM
 Modified: 6/29/2023 4:48:38 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		6/29/2023 4:10:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-29\Bioanalyzer_High Sensitivity DNA Assay_2023-06-29_001.xad)		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/29/2023 3:29:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/29/2023 3:29:08 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB