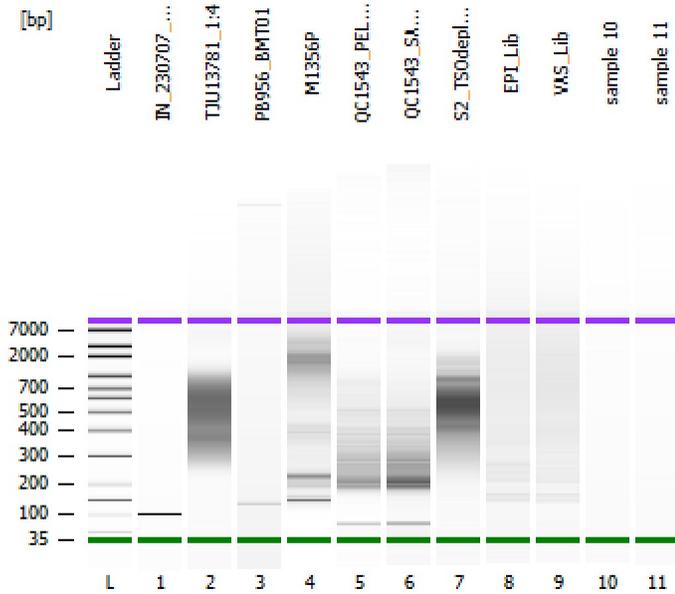


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
Modified: 7/12/2023 5:04:55 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

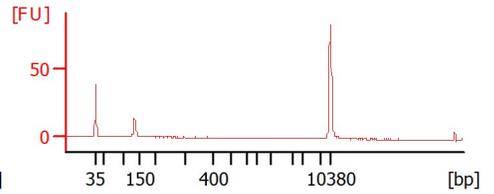
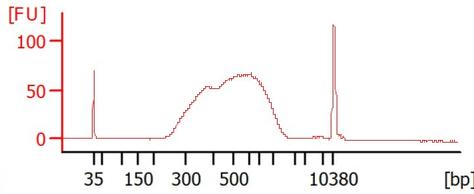
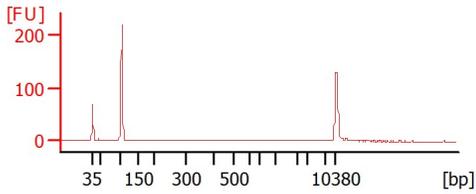
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Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

IN_230707_1:40

TJU13781_1:4

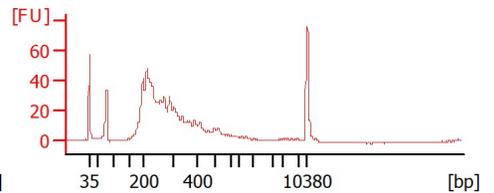
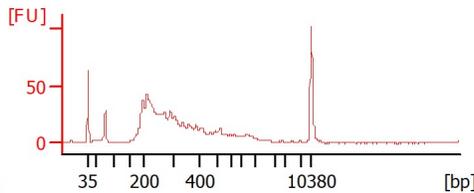
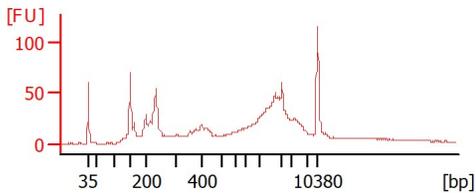
PB956_BMT01



M1356P

QC1543_PELIN_GBS

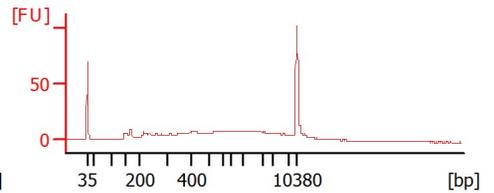
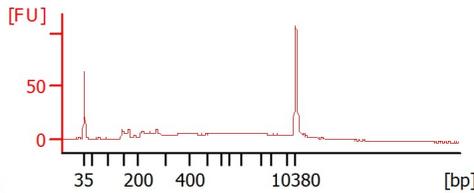
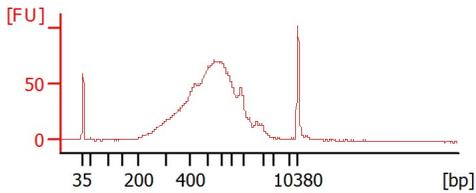
QC1543_SAM_GBS



S2_TS0deplete-cDNA

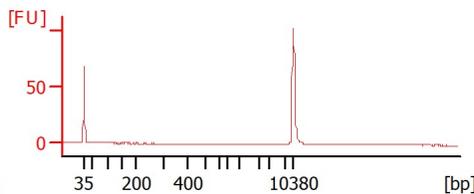
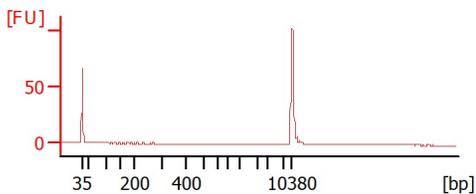
EPI_Lib

VAS_Lib



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
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TJU13781_1:4		<input type="checkbox"/>		✓		
PB956_BMT01		<input type="checkbox"/>		✓		
M1356P		<input type="checkbox"/>		✓		
QC1543_PELIN_GBS		<input type="checkbox"/>		✓		
QC1543_SAM_GBS		<input type="checkbox"/>		✓		
S2_TSOdeplete-cDNA		<input type="checkbox"/>		✓		
EPI_Lib		<input type="checkbox"/>		✓		
VAS_Lib		<input type="checkbox"/>		✓		
sample 10		<input type="checkbox"/>		✓		
sample 11		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 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

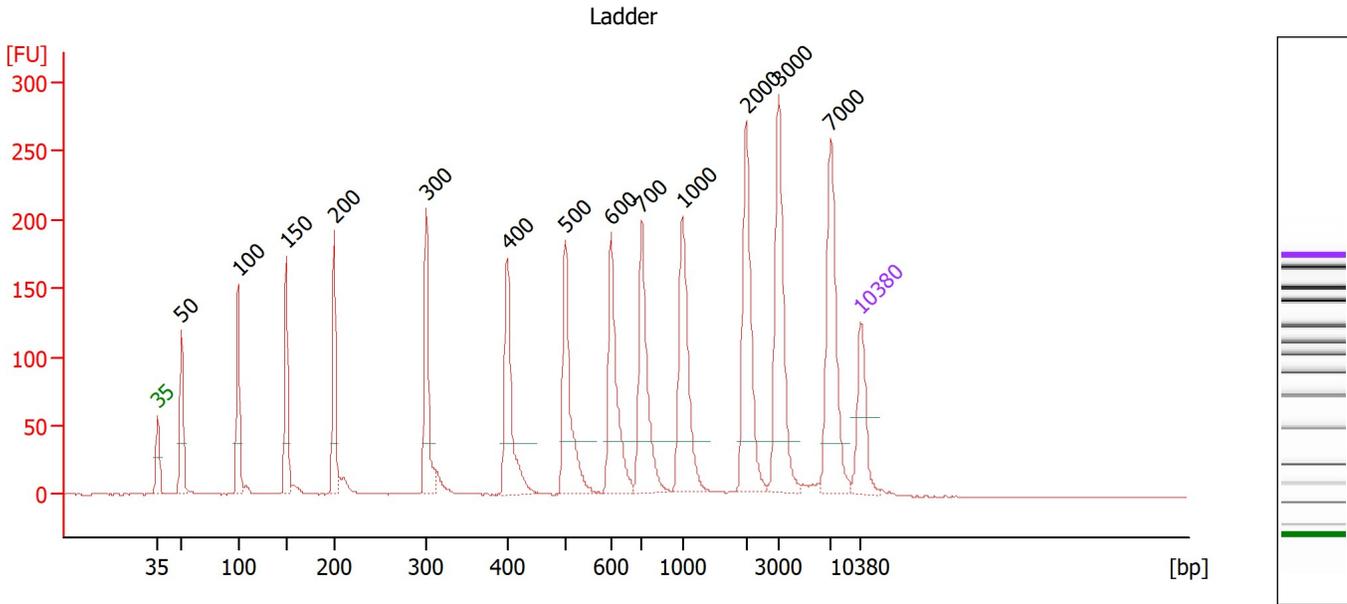
Ladder

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: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

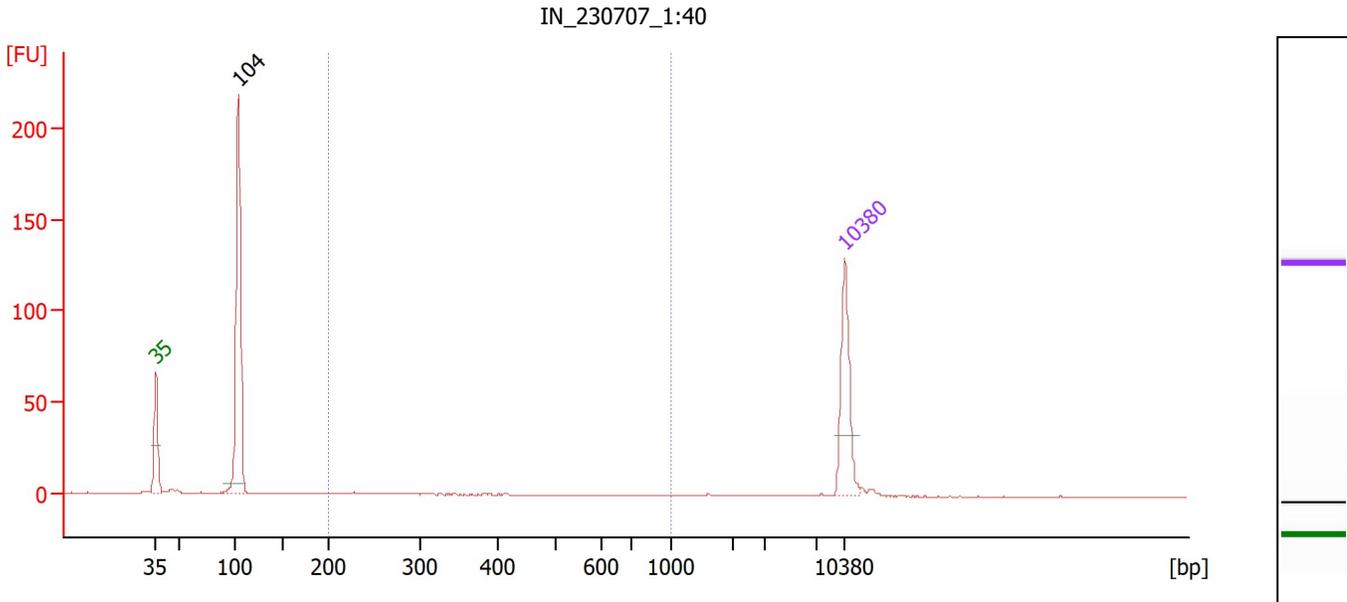
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : IN 230707 1:40

Number of peaks found: 1 Corr. Area 1: 4.6
 Noise: 0.2

Peak table for sample 1 : IN 230707 1:40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	104	314.10	4,579.8	
3	10,380	75.00	10.9	Upper Marker

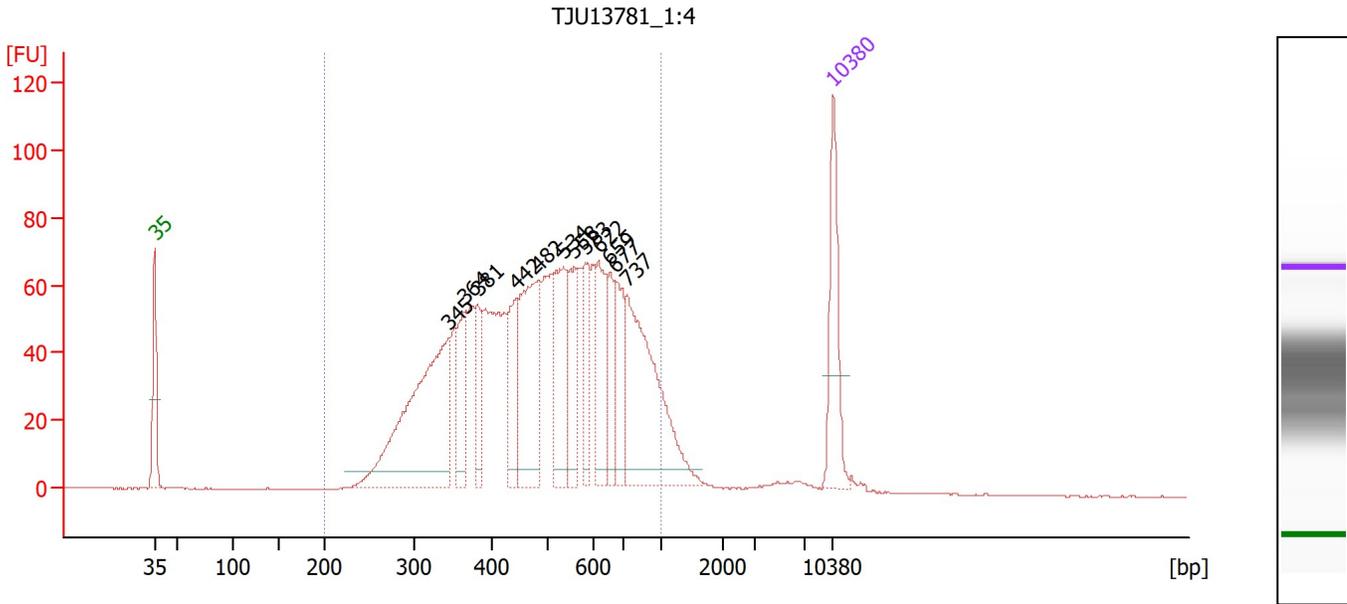
Region table for sample 1 : IN 230707 1:40

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	4.6	2	317	37.8	4.79	25.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TJU13781_1:4

Number of peaks found: 12 Corr. Area 1: 1,767.2
 Noise: 0.1

Peak table for sample 2 : TJU13781_1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	345	315.41	1,386.1	
3	364	74.65	310.4	
4	381	56.09	223.2	
5	442	75.57	259.2	
6	482	163.63	514.1	
7	534	109.98	312.1	
8	558	67.11	182.2	
9	583	54.44	141.4	
10	622	78.59	191.6	
11	659	47.16	108.4	
12	677	65.30	146.2	
13	737	220.00	452.3	
14	10,380	75.00	10.9	Upper Marker

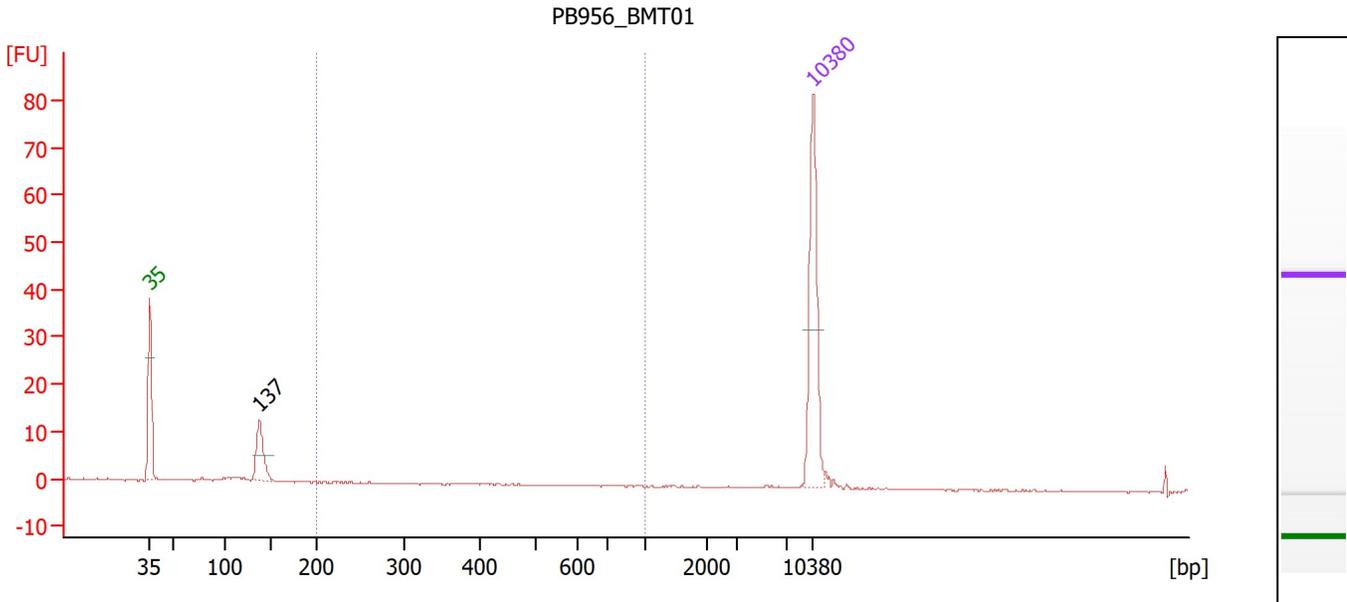
Region table for sample 2 : TJU13781_1:4

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	1,767.2	94	513	32.3	1,839.61	6,250.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PB956 BMT01

Number of peaks found: 1 Corr. Area 1: 1.4
 Noise: 0.1

Peak table for sample 3 : PB956 BMT01

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	40.52	448.5	
3	10,380	75.00	10.9	Upper Marker

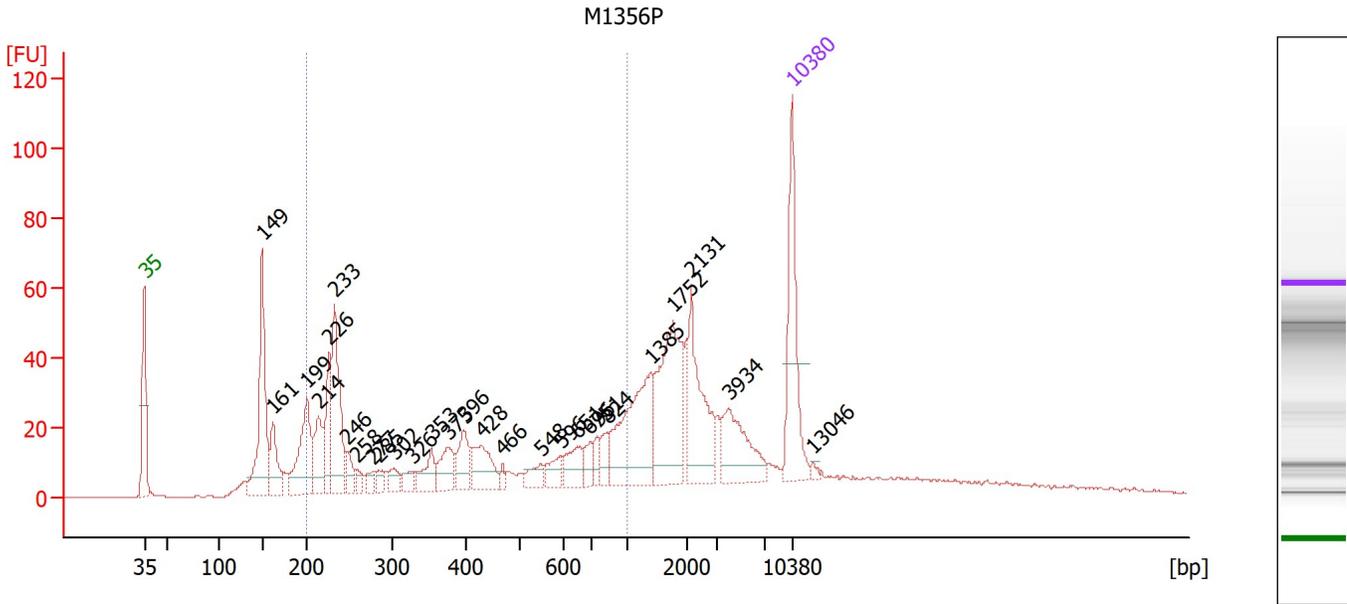
Region table for sample 3 : PB956 BMT01

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	1.4	4	493	44.9	2.16	8.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : M1356P

Number of peaks found: 28 Corr. Area 1: 572.5
 Noise: 0.2

Peak table for sample 4 : M1356P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	149	149.42	1,522.0	
3	161	48.42	456.2	
4	199	90.93	691.2	
5	214	49.38	350.1	
6	226	52.76	353.3	
7	233	110.23	718.3	
8	246	19.38	119.2	
9	258	9.80	57.5	
10	277	10.45	57.2	
11	285	10.94	58.3	
12	302	13.47	67.5	
13	326	12.17	56.5	
14	353	26.16	112.4	
15	375	30.60	123.8	
16	396	32.66	125.0	
17	428	41.01	145.2	
18	466	5.46	17.7	
19	548	14.82	41.0	
20	596	16.66	42.4	
21	651	24.54	57.1	
22	696	14.21	30.9	
23	751	11.29	22.8	
24	824	14.47	26.6	
25	1,385	99.40	108.8	
26	1,752	107.30	92.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : M1356P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,131	73.50	52.3	
28	3,934	53.24	20.5	
29	10,380	75.00	10.9	Upper Marker
30	13,046	0.00	0.0	

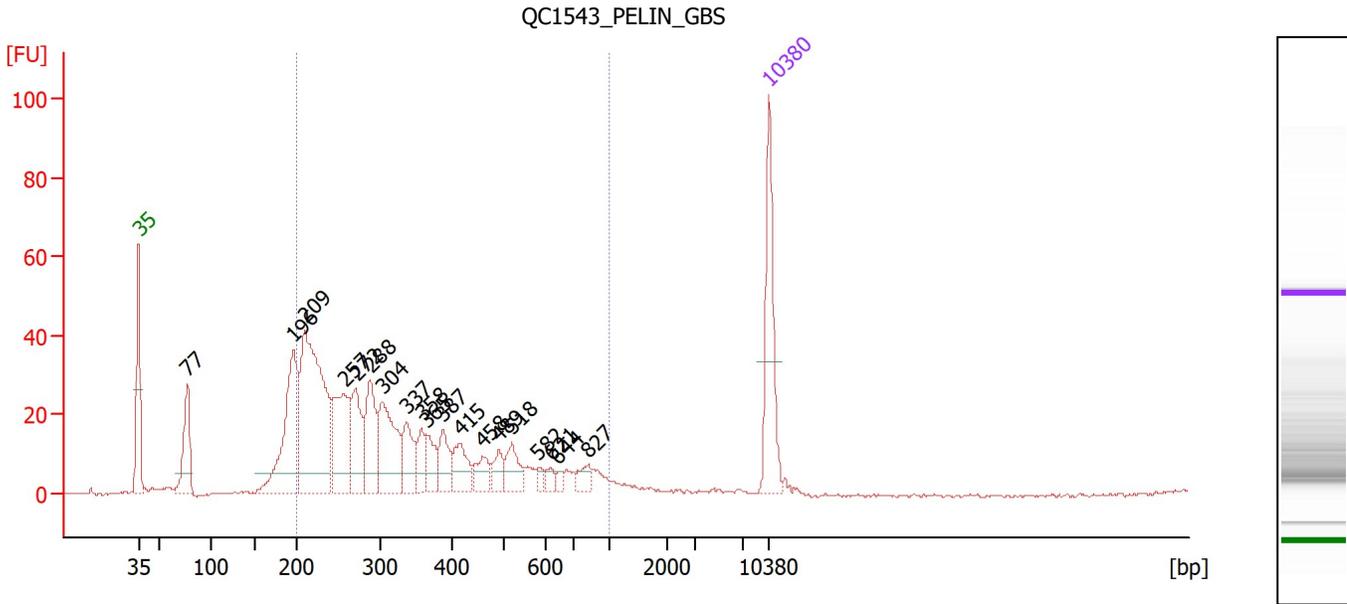
Region table for sample 4 : M1356P

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	572.5	45	453	50.3	699.46	3,255.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1543 PELIN GBS

Number of peaks found: 19 Corr. Area 1: 683.2
 Noise: 0.3

Peak table for sample 5 : QC1543 PELIN GBS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	77	81.68	1,609.7	
3	196	164.37	1,272.0	
4	209	290.71	2,106.0	
5	257	109.73	645.7	
6	272	68.99	384.8	
7	288	73.88	388.2	
8	304	97.61	485.9	
9	337	43.94	197.5	
10	358	25.40	107.4	
11	365	28.20	117.1	
12	387	32.78	128.2	
13	415	33.99	124.1	
14	458	22.05	72.9	
15	489	18.38	57.0	
16	518	27.50	80.4	
17	582	6.18	16.1	
18	621	7.45	18.2	
19	644	5.29	12.5	
20	827	12.34	22.6	
21	10,380	75.00	10.9	Upper Marker

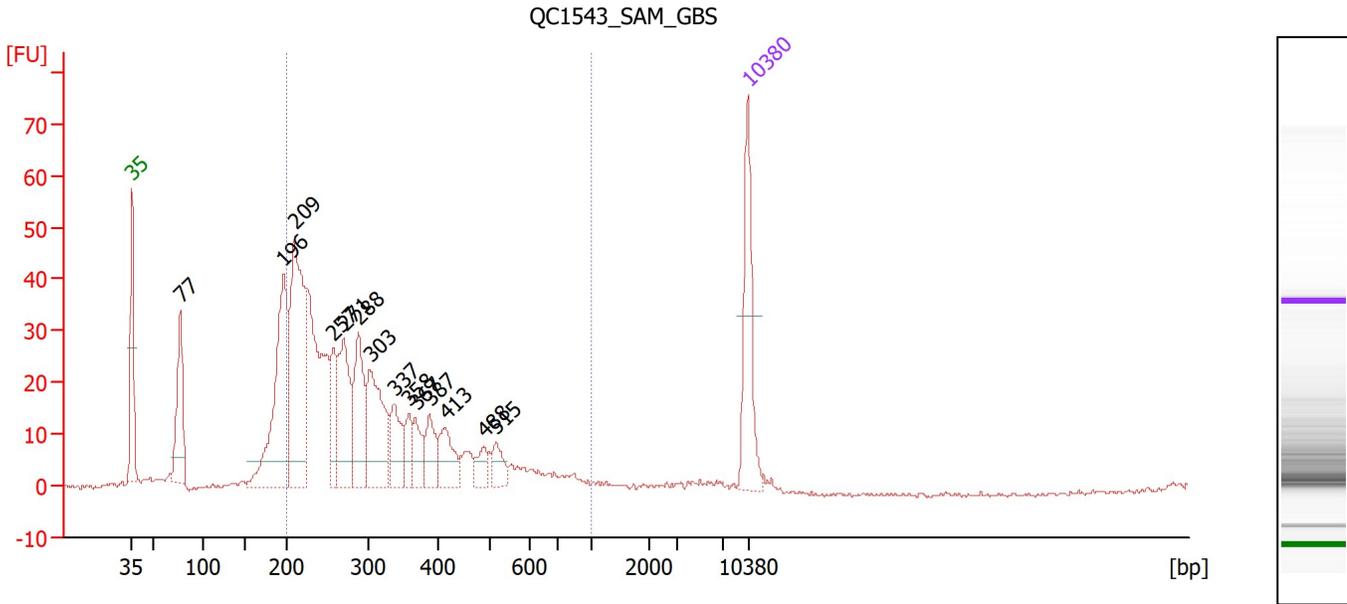
Region table for sample 5 : QC1543 PELIN GBS

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	683.2	81	351	43.8	970.76	5,019.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1543 SAM GBS

Number of peaks found: 14 Corr. Area 1: 635.6
 Noise: 0.4

Peak table for sample 6 : QC1543 SAM GBS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	77	109.88	2,149.1	
3	196	220.71	1,710.0	
4	209	231.49	1,676.4	
5	257	53.29	313.7	
6	271	106.61	597.1	
7	288	92.77	487.5	
8	303	113.23	565.8	
9	337	48.89	219.5	
10	358	24.57	103.9	
11	367	30.47	125.7	
12	387	33.48	131.2	
13	413	41.26	151.5	
14	488	18.24	56.6	
15	515	20.61	60.6	
16	10,380	75.00	10.9	Upper Marker

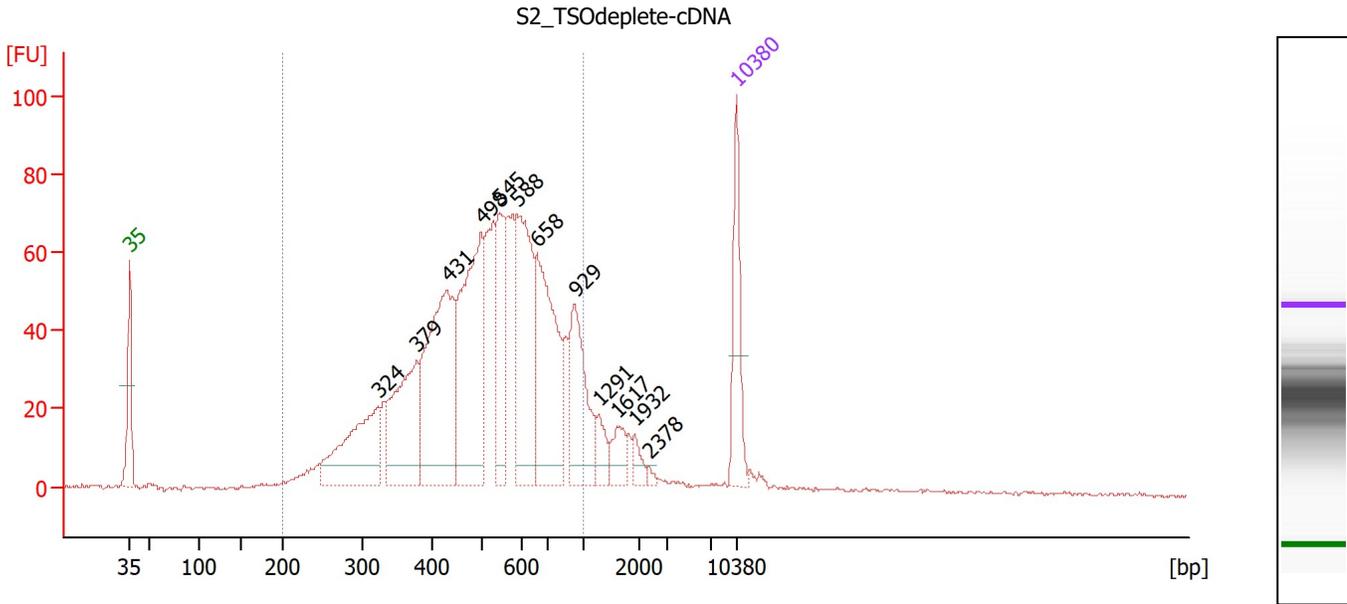
Region table for sample 6 : QC1543 SAM GBS

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	635.6	79	314	36.3	1,120.20	6,107.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S2_TS0deplete-cDNA

Number of peaks found: 12 Corr. Area 1: 1,453.6
 Noise: 0.4

Peak table for sample 7 : S2_TS0deplete-cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	324	176.45	825.0	
3	379	173.67	693.8	
4	431	298.72	1,049.8	
5	498	276.11	839.3	
6	545	116.88	324.9	
7	588	192.26	495.2	
8	658	213.82	492.1	
9	929	120.46	196.5	
10	1,291	23.97	28.1	
11	1,617	27.14	25.4	
12	1,932	13.58	10.6	
13	2,378	4.07	2.6	
14	10,380	75.00	10.9	Upper Marker

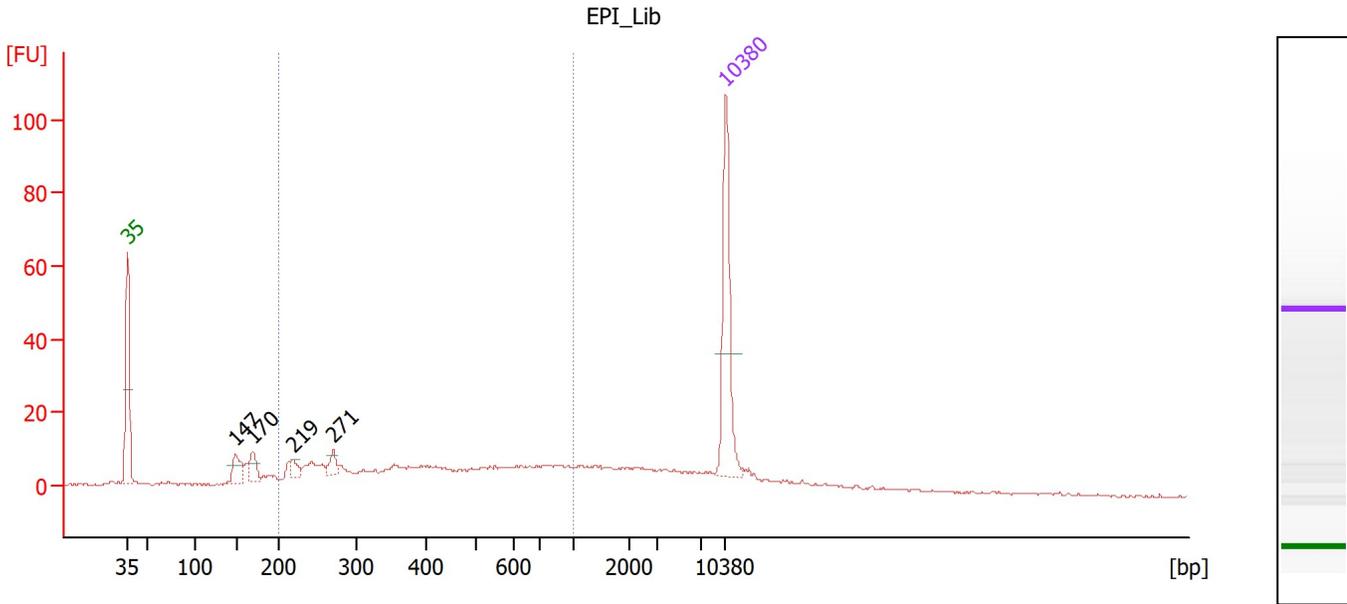
Region table for sample 7 : S2_TS0deplete-cDNA

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	1,453.6	90	533	31.4	1,961.87	6,426.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : EPI Lib

Number of peaks found: 4 Corr. Area 1: 248.7
 Noise: 0.3

Peak table for sample 8 : EPI Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	147	25.56	262.7	
3	170	20.09	179.5	
4	219	10.04	69.4	
5	271	12.32	69.0	
6	10,380	75.00	10.9	Upper Marker

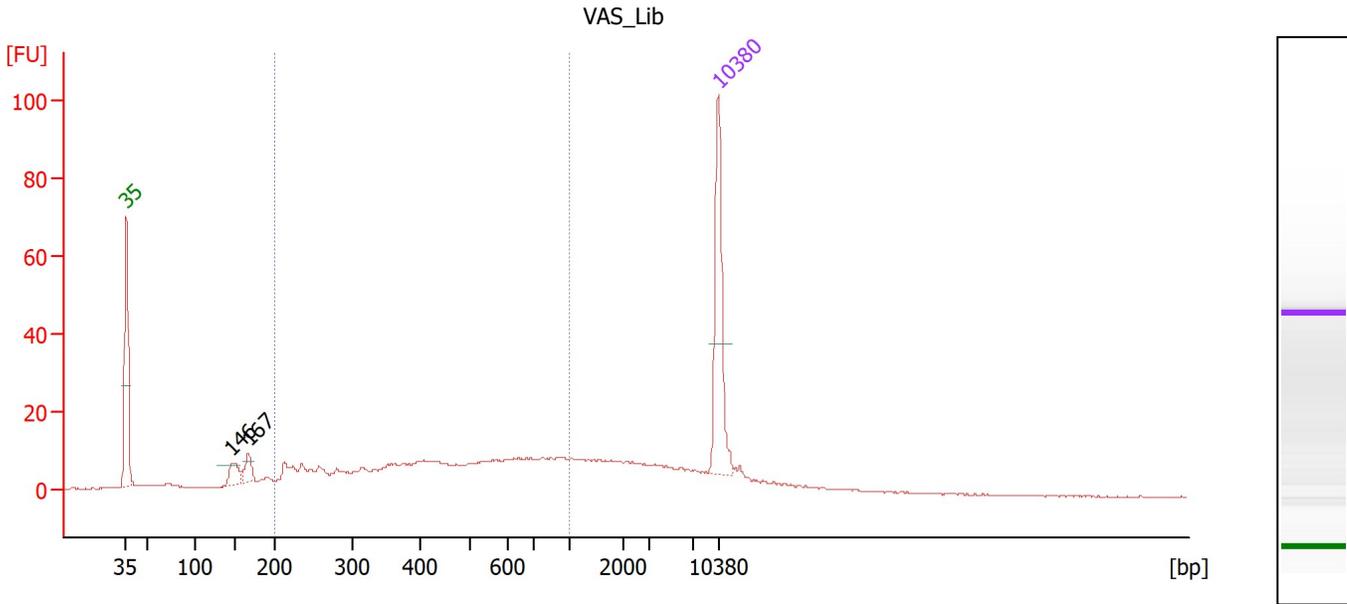
Region table for sample 8 : EPI Lib

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	248.7	55	461	43.4	315.38	1,335.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : VAS Lib

Number of peaks found: 2 Corr. Area 1: 276.9
 Noise: 0.1

Peak table for sample 9 : VAS Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	146	22.10	230.0	
3	167	17.82	162.1	
4	10,380	75.00	10.9	Upper Marker

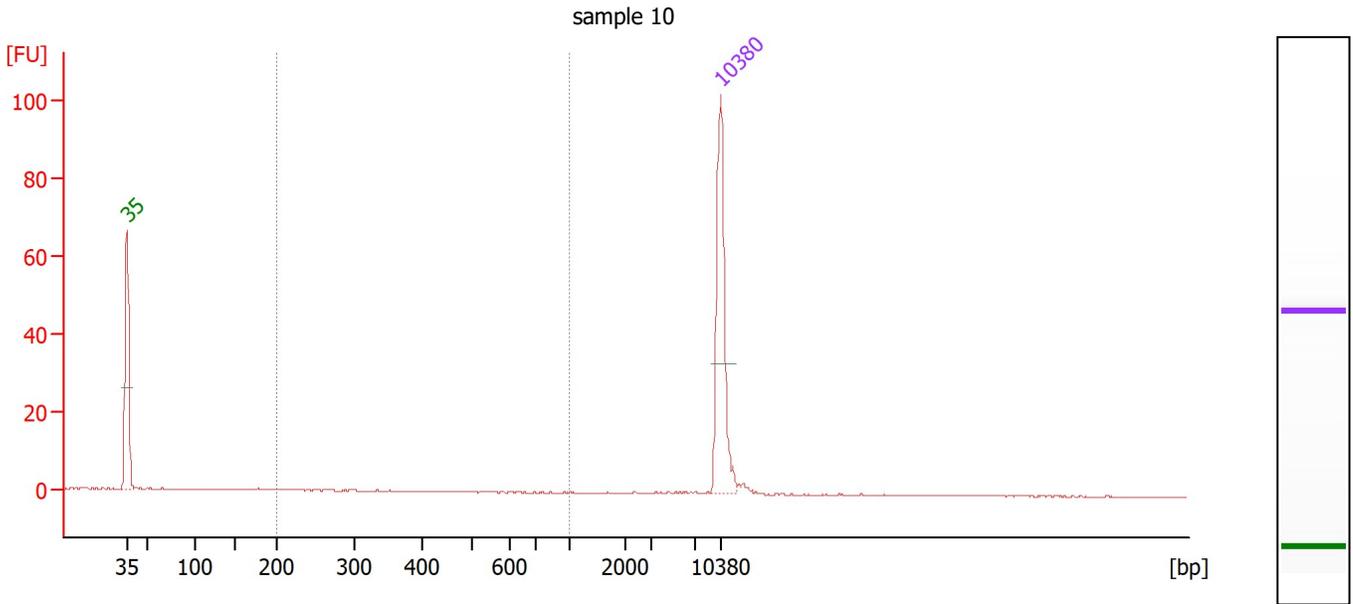
Region table for sample 9 : VAS Lib

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	276.9	58	486	41.2	369.76	1,473.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Corr. Area 1: 2.9
 Noise: 0.1

Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

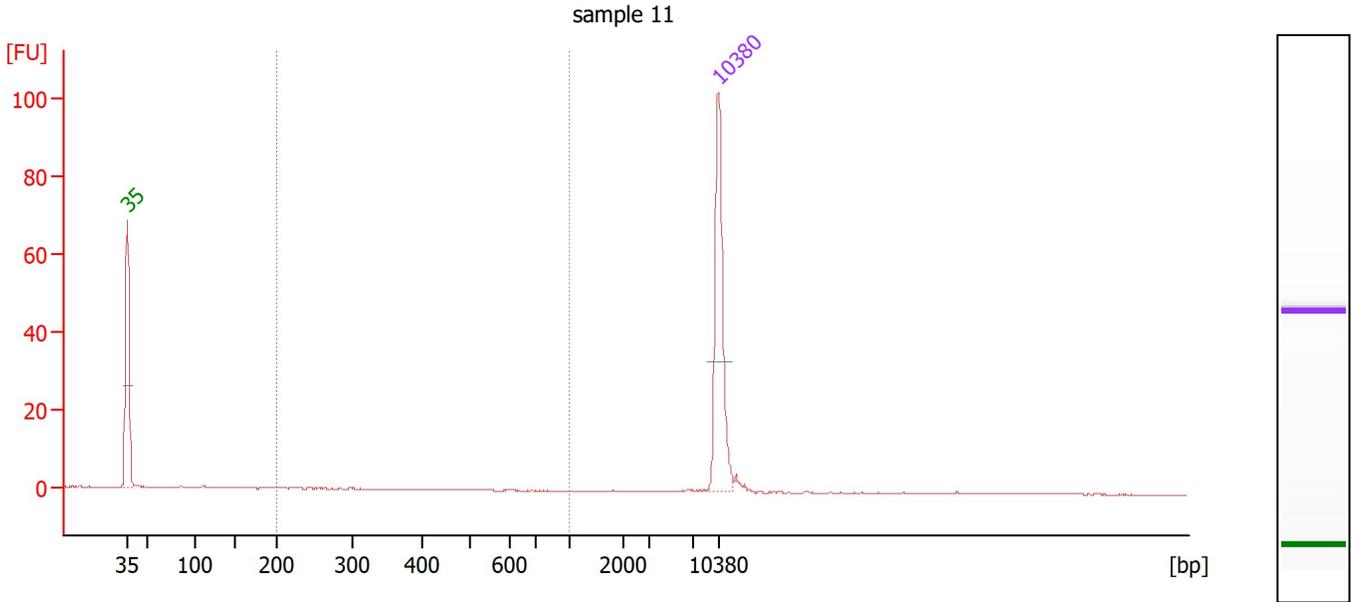
Region table for sample 10 : sample 10

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	2.9	19	359	41.3	3.53	17.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 0.6
 Noise: 0.1

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

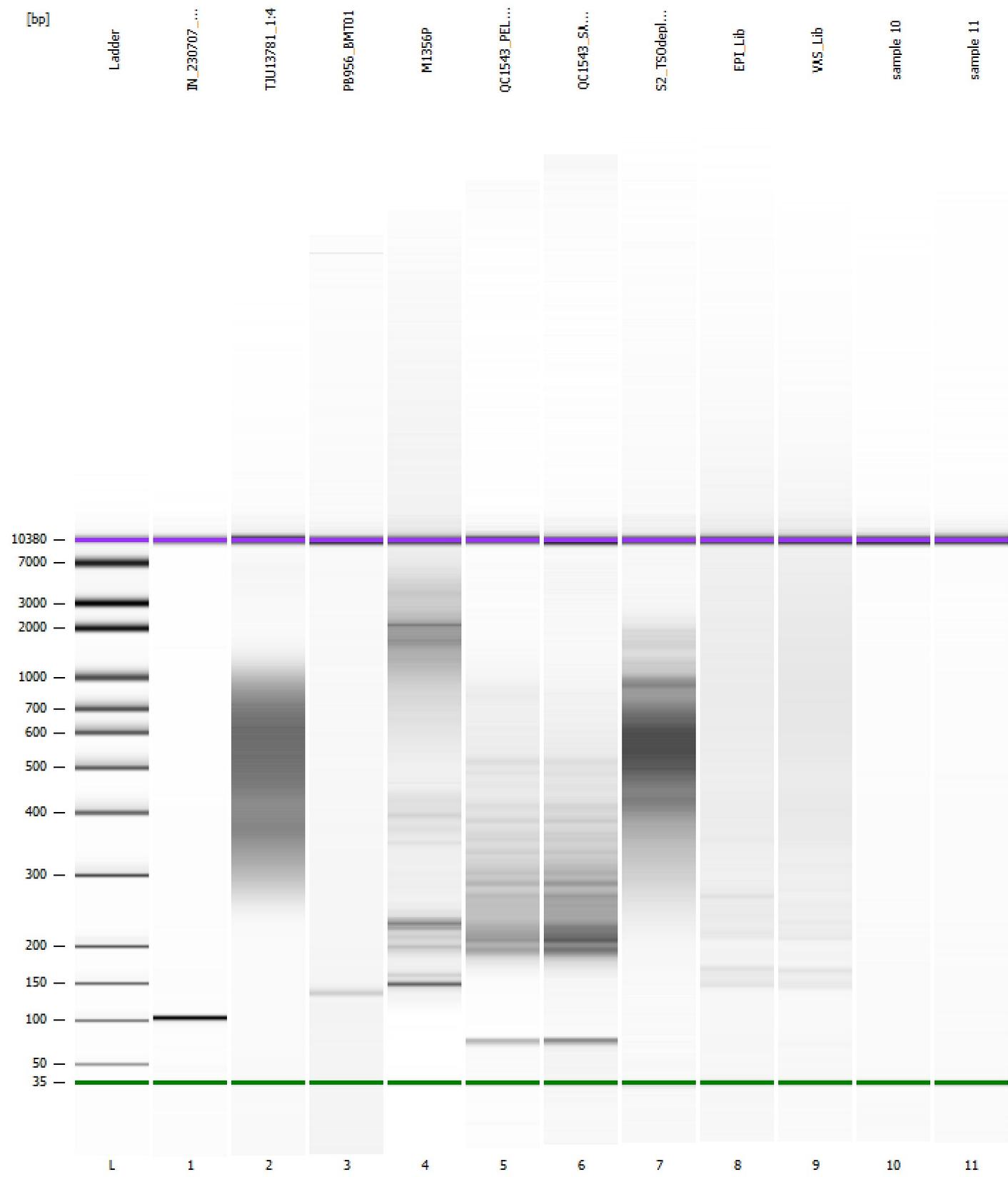
Region table for sample 11 : sample 11

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	0.6	7	334	23.6	0.74	3.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
Modified: 7/12/2023 5:04:55 PM

Gel Image

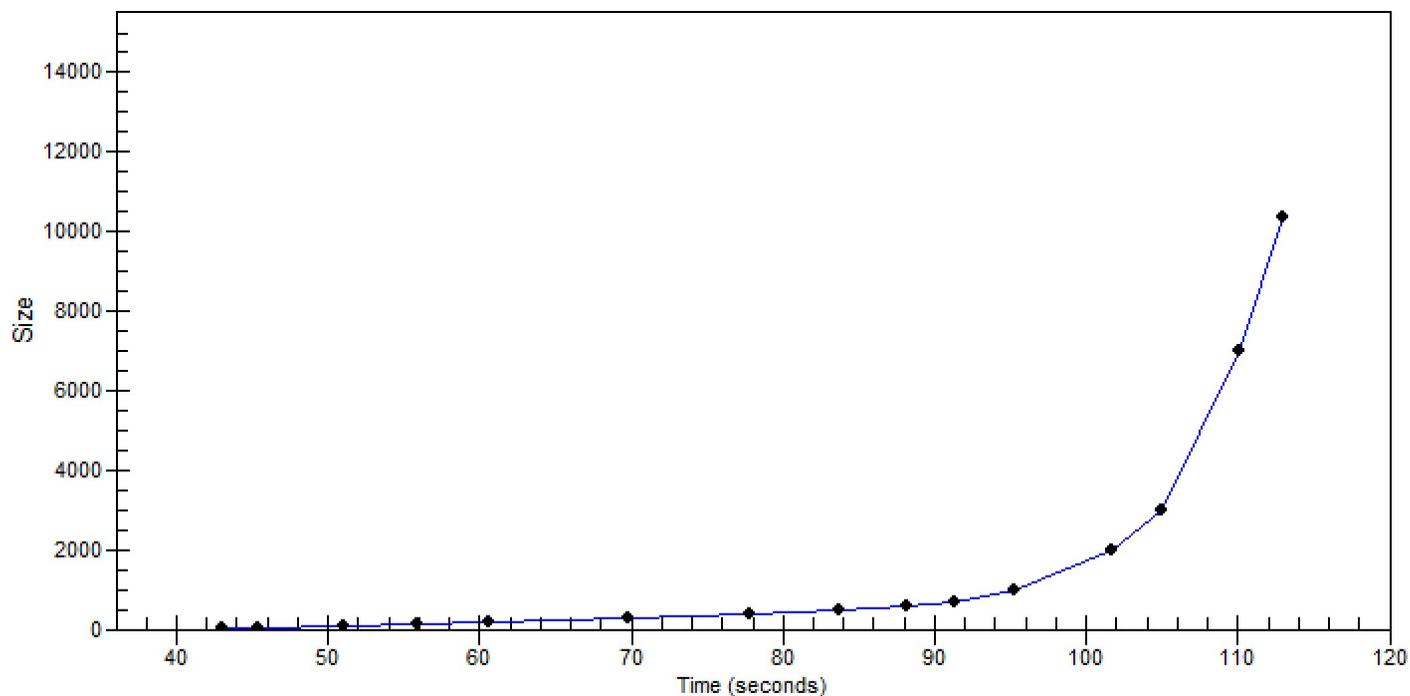


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
Modified: 7/12/2023 5:04:55 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad

Created: 7/12/2023 4:11:50 PM
 Modified: 7/12/2023 5:04:55 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		7/12/2023 4:53:11 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-07-12\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-07-12_001.xad)		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/12/2023 4:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB