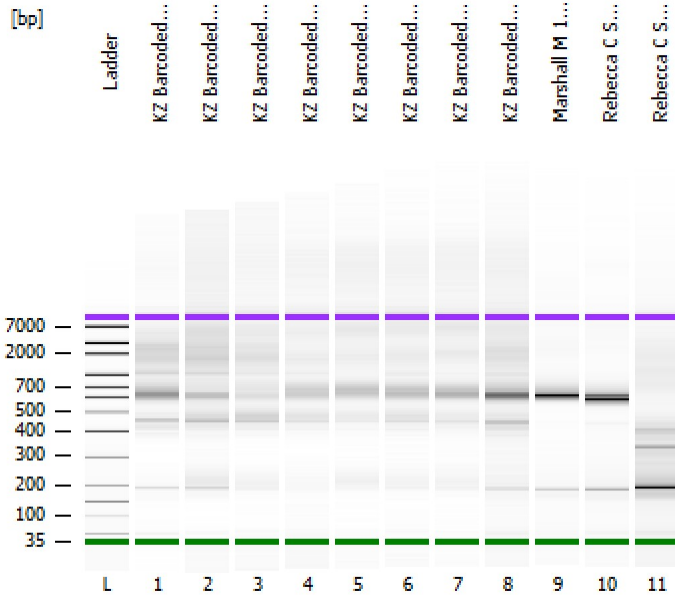


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
Modified: 5/7/2024 4:26:18 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

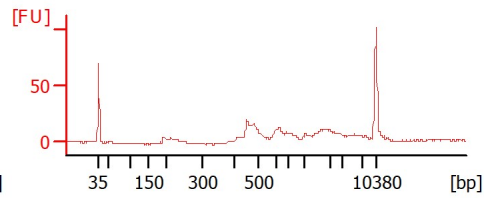
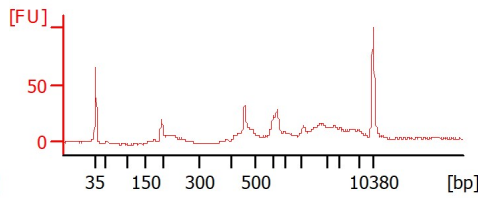
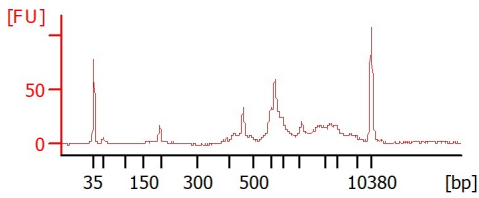
Chip Information:

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

KZ Barcoded 1-8

KZ Barcoded 9-16

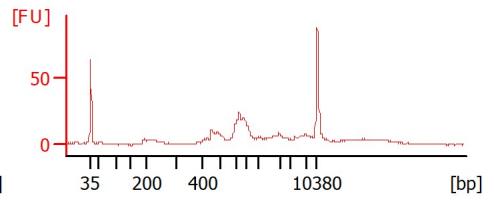
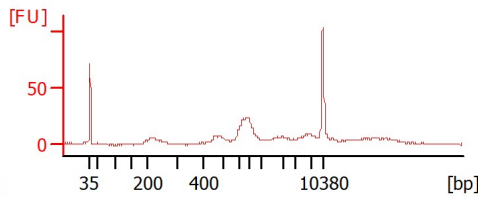
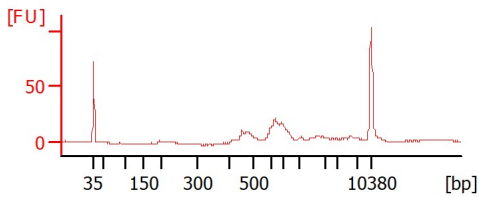
KZ Barcoded 17-24



KZ Barcoded 25-32

KZ Barcoded 33-40

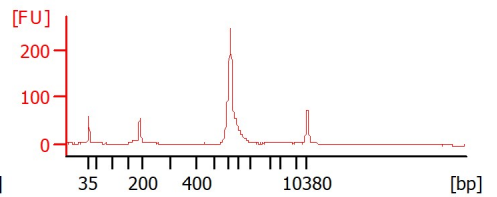
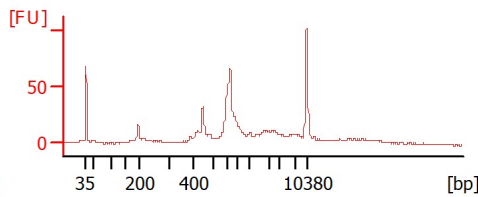
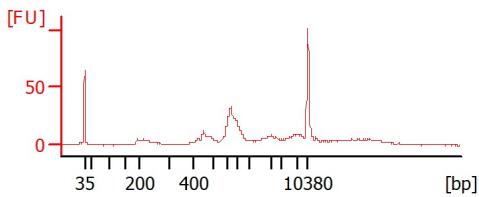
KZ Barcoded 41-48



KZ Barcoded 49-56

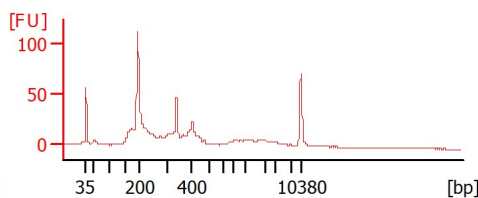
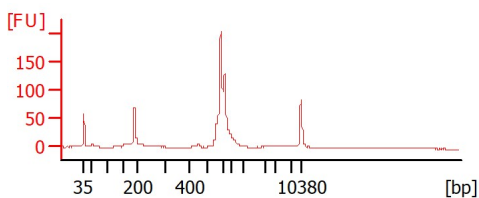
KZ Barcoded 65-72

Marshall M 1-10 V3V4



Rebecca C S21-28 V3V4

Rebecca C S21-28 ITS12



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
KZ Barcoded 1-8		<input type="checkbox"/>		✓		
KZ Barcoded 9-16		<input type="checkbox"/>		✓		
KZ Barcoded 17-24		<input type="checkbox"/>		✓		
KZ Barcoded 25-32		<input type="checkbox"/>		✓		
KZ Barcoded 33-40		<input type="checkbox"/>		✓		
KZ Barcoded 41-48		<input type="checkbox"/>		✓		
KZ Barcoded 49-56		<input type="checkbox"/>		✓		
KZ Barcoded 65-72		<input type="checkbox"/>		✓		
Marshall M 1-10 V3V4		<input type="checkbox"/>		✓		
Rebecca C S21-28 V3V4		<input type="checkbox"/>		✓		
Rebecca C S21-28 ITS12		<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_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 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

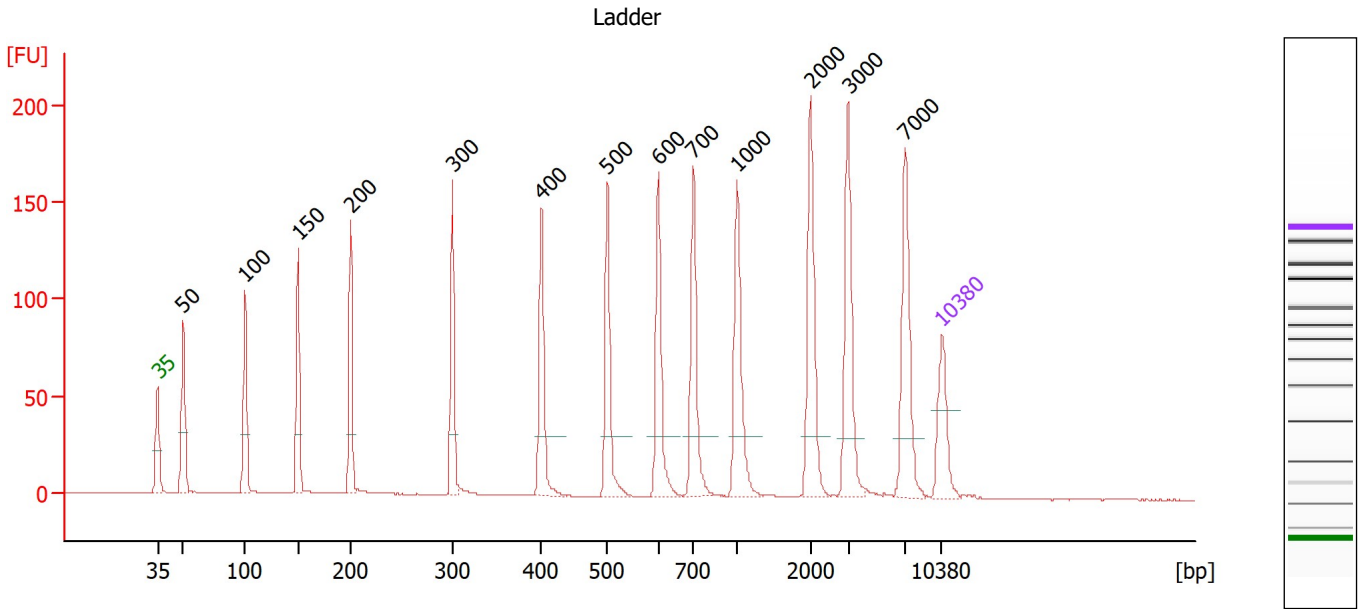
Ladder

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_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

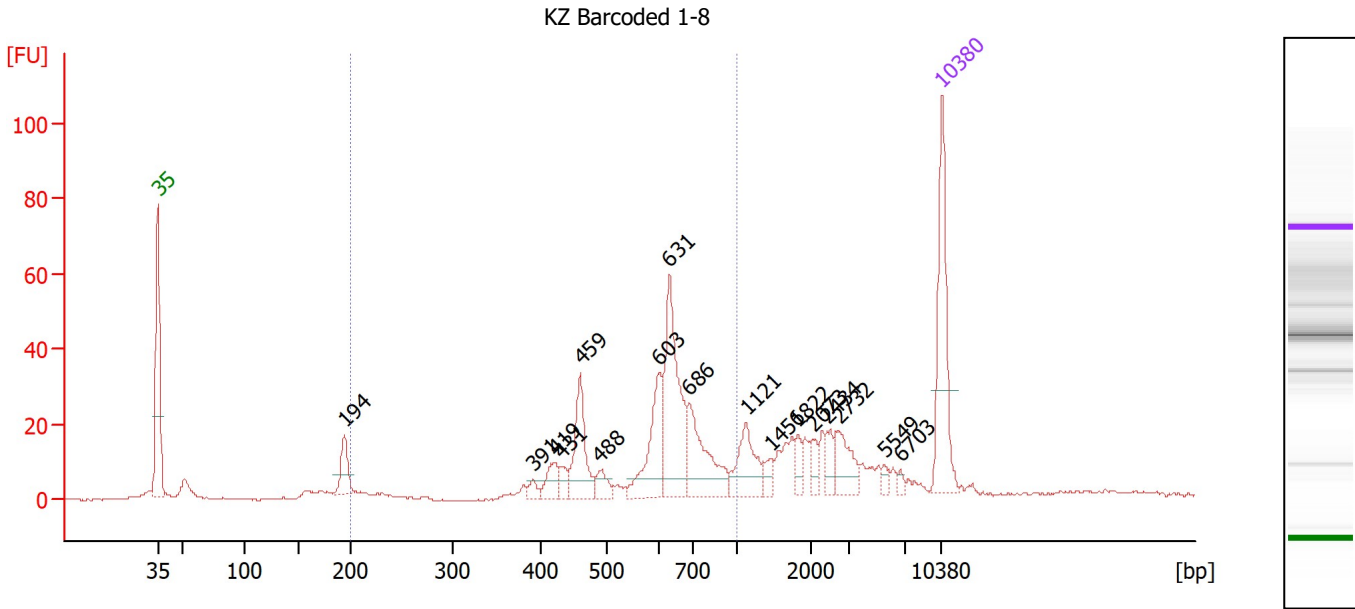
Peak table for Ladder

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_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : KZ Barcoded 1-8

Number of peaks found: 17 Corr. Area 1: 306.2
 Noise: 0.2

Peak table for sample 1 : KZ Barcoded 1-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	30.41	237.5	
3	391	8.09	31.4	
4	419	19.59	70.8	
5	431	11.78	41.4	
6	459	57.49	189.7	
7	488	14.68	45.5	
8	603	61.41	154.4	
9	631	111.61	268.0	
10	686	66.64	147.1	
11	1,121	40.00	54.0	
12	1,456	9.98	10.4	
13	1,822	10.35	8.6	
14	2,073	10.21	7.5	
15	2,434	11.55	7.2	
16	2,732	28.62	15.9	
17	5,549	4.90	1.3	
18	6,703	3.48	0.8	
19	10,380	75.00	10.9	Upper Marker

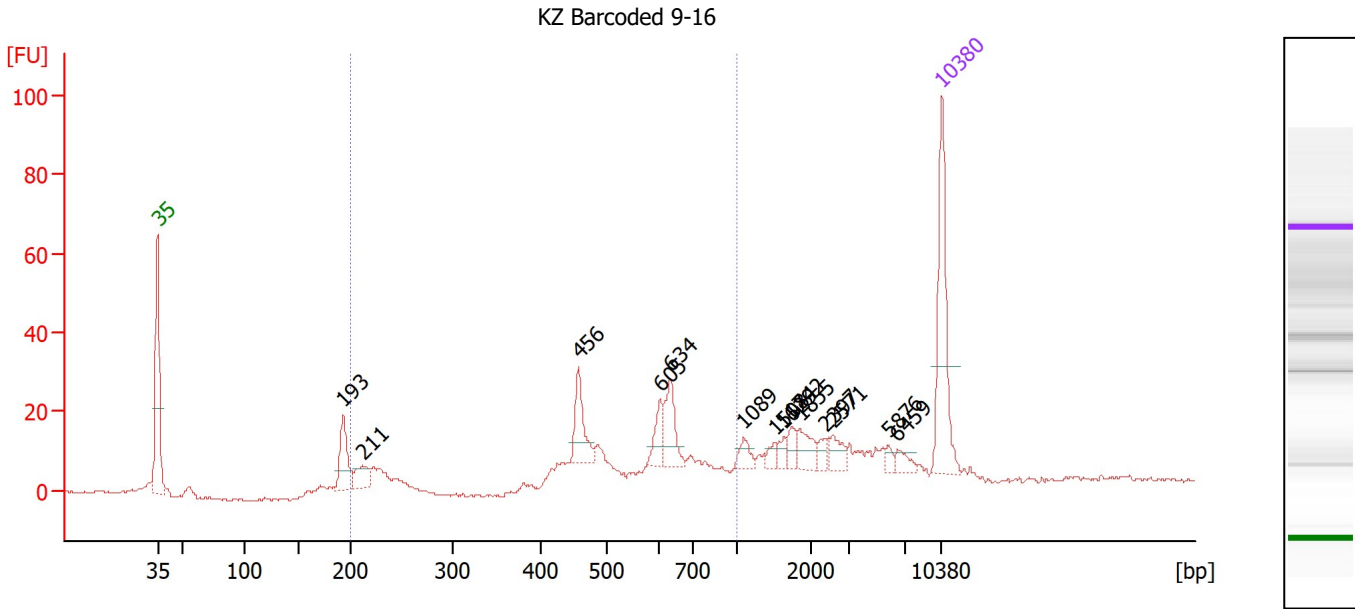
Region table for sample 1 : KZ Barcoded 1-8

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	306.2	55	600	23.8	387.50	1,096.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : KZ Barcoded 9-16

Number of peaks found: 14 Corr. Area 1: 212.5
 Noise: 0.3

Peak table for sample 2 : KZ Barcoded 9-16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	193	45.86	360.4	
3	211	23.20	166.4	
4	456	39.78	132.2	
5	605	21.99	55.1	
6	634	34.10	81.6	
7	1,089	11.23	15.6	
8	1,508	6.46	6.5	
9	1,629	7.64	7.1	
10	1,742	10.31	9.0	
11	1,855	17.23	14.1	
12	2,397	7.64	4.8	
13	2,571	13.09	7.7	
14	5,876	4.93	1.3	
15	6,459	8.70	2.0	
16	10,380	75.00	10.9	Upper Marker

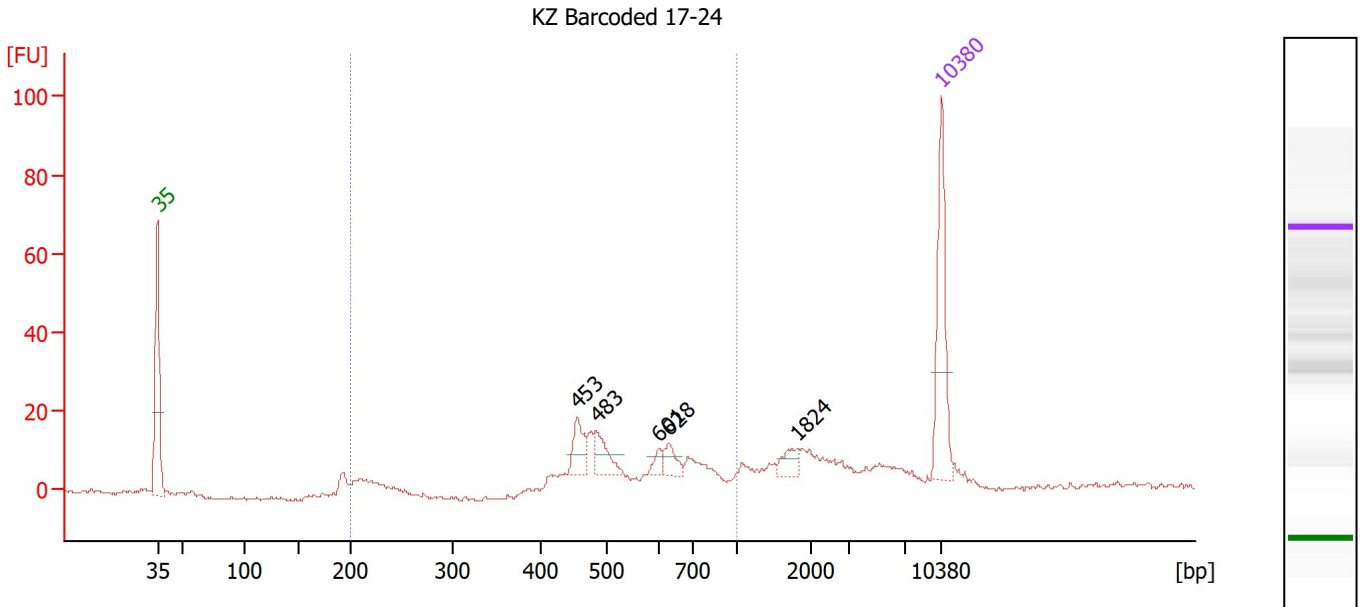
Region table for sample 2 : KZ Barcoded 9-16

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	212.5	49	540	31.4	319.27	1,126.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : KZ Barcoded 17-24

Number of peaks found: 5 Corr. Area 1: 165.0
 Noise: 0.5

Peak table for sample 3 : KZ Barcoded 17-24

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	453	29.66	99.1	
3	483	28.16	88.4	
4	601	8.30	20.9	
5	628	15.67	37.8	
6	1,824	14.65	12.2	
7	10,380	75.00	10.9	Upper Marker

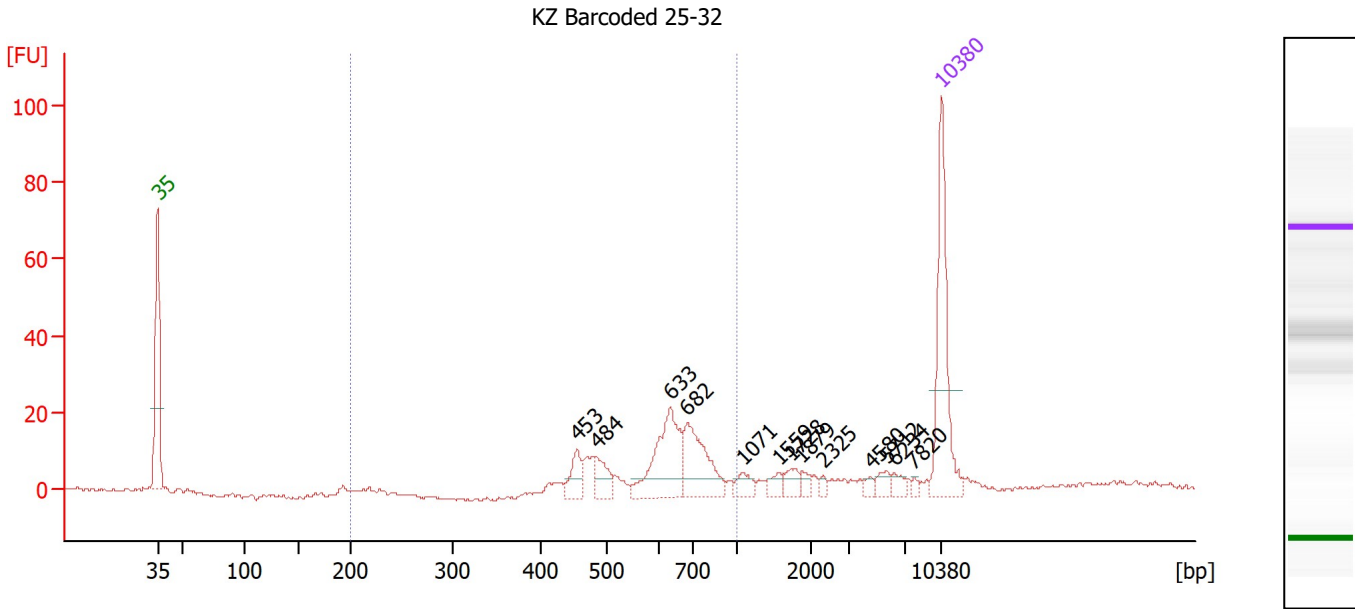
Region table for sample 3 : KZ Barcoded 17-24

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	165.0	54	548	28.1	248.27	810.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : KZ Barcoded 25-32

Number of peaks found: 13 Corr. Area 1: 154.4
 Noise: 0.4

Peak table for sample 4 : KZ Barcoded 25-32

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	453	20.06	67.0	
3	484	21.53	67.4	
4	633	72.45	173.4	
5	682	58.02	128.8	
6	1,071	10.78	15.3	
7	1,559	7.76	7.5	
8	1,728	9.42	8.3	
9	1,879	5.49	4.4	
10	2,325	3.06	2.0	
11	4,580	3.83	1.3	
12	5,712	7.36	2.0	
13	6,234	6.27	1.5	
14	7,820	2.65	0.5	
15	10,380	75.00	10.9	Upper Marker

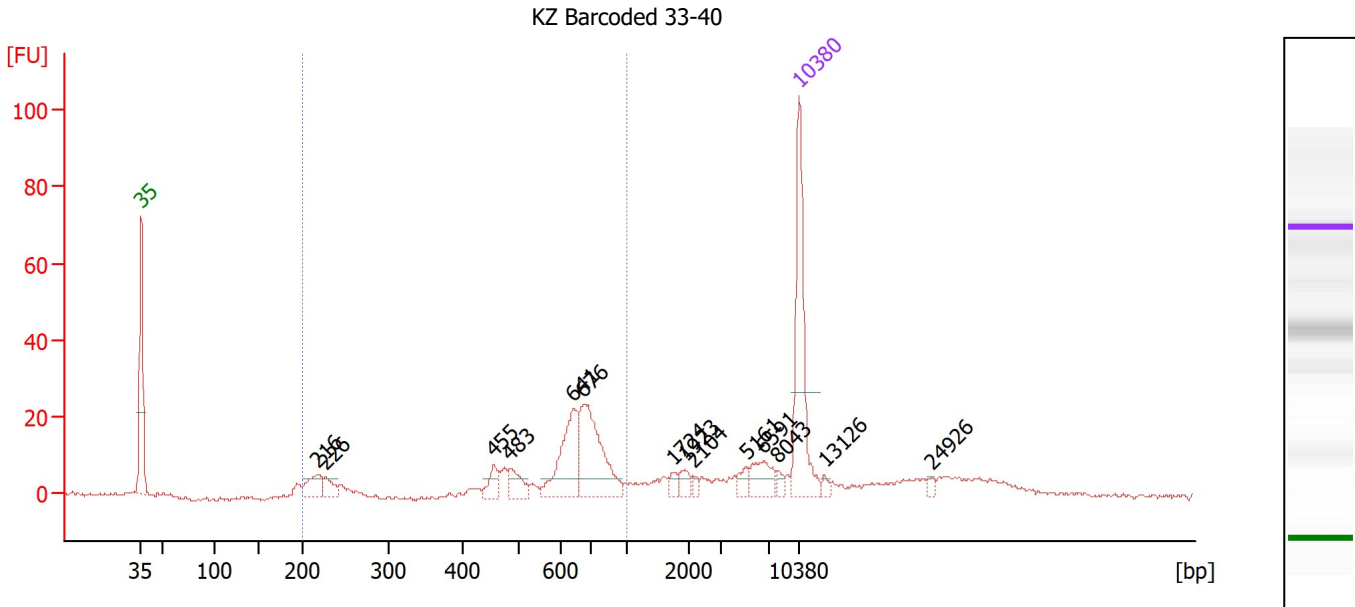
Region table for sample 4 : KZ Barcoded 25-32

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	154.4	57	622	20.1	176.19	453.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : KZ Barcoded 33-40

Number of peaks found: 14 Corr. Area 1: 184.7
 Noise: 0.5

Peak table for sample 5 : KZ Barcoded 33-40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	216	23.79	166.6	
3	226	14.04	94.2	
4	455	13.37	44.5	
5	483	17.59	55.2	
6	641	59.02	139.5	
7	676	78.97	177.1	
8	1,724	5.42	4.8	
9	1,923	7.48	5.9	
10	2,104	3.49	2.5	
11	5,161	6.81	2.0	
12	6,591	18.66	4.3	
13	8,043	4.30	0.8	
14	10,380	75.00	10.9	Upper Marker
15	13,126	0.00	0.0	
16	24,926	0.00	0.0	

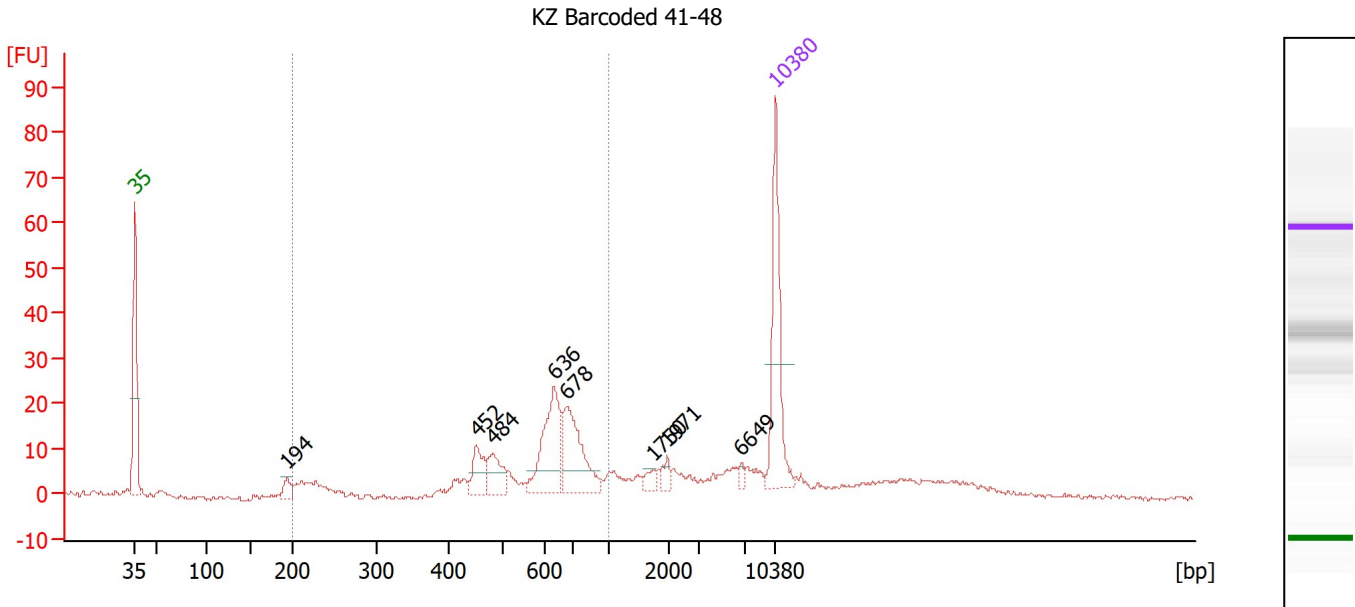
Region table for sample 5 : KZ Barcoded 33-40

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	184.7	54	602	28.6	208.48	669.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : KZ Barcoded 41-48

Number of peaks found: 8 Corr. Area 1: 202.0
 Noise: 0.5

Peak table for sample 6 : KZ Barcoded 41-48

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	14.20	111.0	
3	452	26.99	90.4	
4	484	28.80	90.2	
5	636	74.40	177.3	
6	678	70.25	156.9	
7	1,750	6.67	5.8	
8	1,971	7.07	5.4	
9	6,649	3.88	0.9	
10	10,380	75.00	10.9	Upper Marker

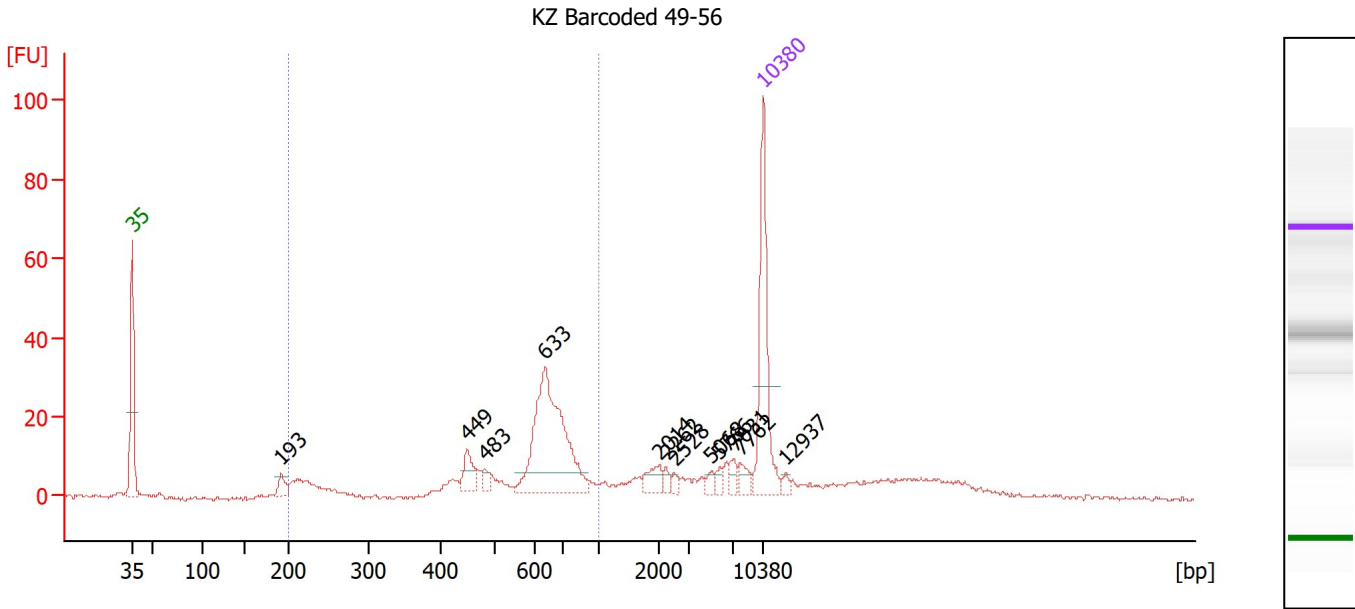
Region table for sample 6 : KZ Barcoded 41-48

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	202.0	53	587	27.7	295.05	920.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : KZ Barcoded 49-56

Number of peaks found: 12 Corr. Area 1: 236.2
 Noise: 0.5

Peak table for sample 7 : KZ Barcoded 49-56

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	193	13.13	103.2	
3	449	19.48	65.8	
4	483	6.63	20.8	
5	633	150.33	359.6	
6	2,014	12.45	9.4	
7	2,262	4.00	2.7	
8	2,528	3.97	2.4	
9	5,068	4.58	1.4	
10	5,766	4.32	1.1	
11	7,031	7.25	1.6	
12	7,762	7.94	1.5	
13	10,380	75.00	10.9	Upper Marker
14	12,937	0.00	0.0	

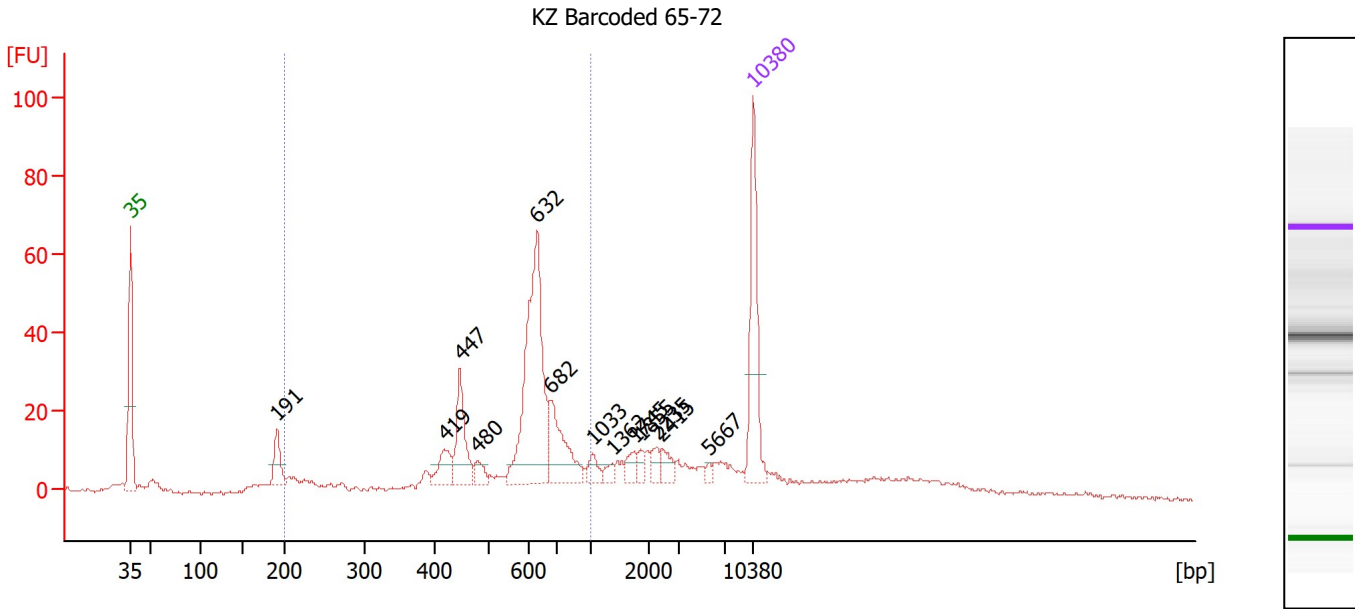
Region table for sample 7 : KZ Barcoded 49-56

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	236.2	54	576	29.0	299.20	978.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : KZ Barcoded 65-72

Number of peaks found: 13 Corr. Area 1: 369.5
 Noise: 0.5

Peak table for sample 8 : KZ Barcoded 65-72

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	191	32.87	260.3	
3	419	26.04	94.2	
4	447	52.92	179.3	
5	480	12.11	38.3	
6	632	190.33	456.1	
7	682	57.92	128.6	
8	1,033	11.17	16.4	
9	1,362	6.23	6.9	
10	1,745	9.85	8.6	
11	1,855	6.52	5.3	
12	2,235	9.56	6.5	
13	2,415	11.94	7.5	
14	5,667	3.69	1.0	
15	10,380	75.00	10.9	Upper Marker

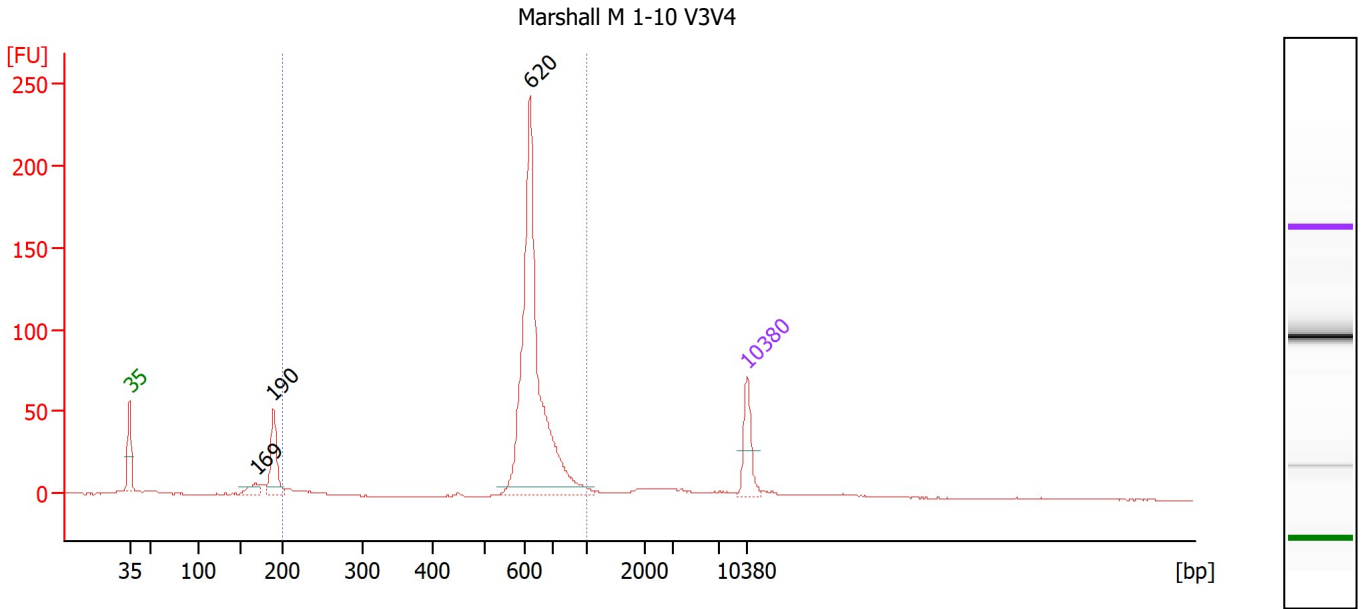
Region table for sample 8 : KZ Barcoded 65-72

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	369.5	56	574	26.7	499.79	1,542.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Marshall M 1-10 V3V4

Number of peaks found: 3 Corr. Area 1: 556.2
 Noise: 0.4

Peak table for sample 9 : Marshall M 1-10 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	169	34.66	311.2	
3	190	145.71	1,161.3	
4	620	834.92	2,038.9	
5	10,380	75.00	10.9	Upper Marker

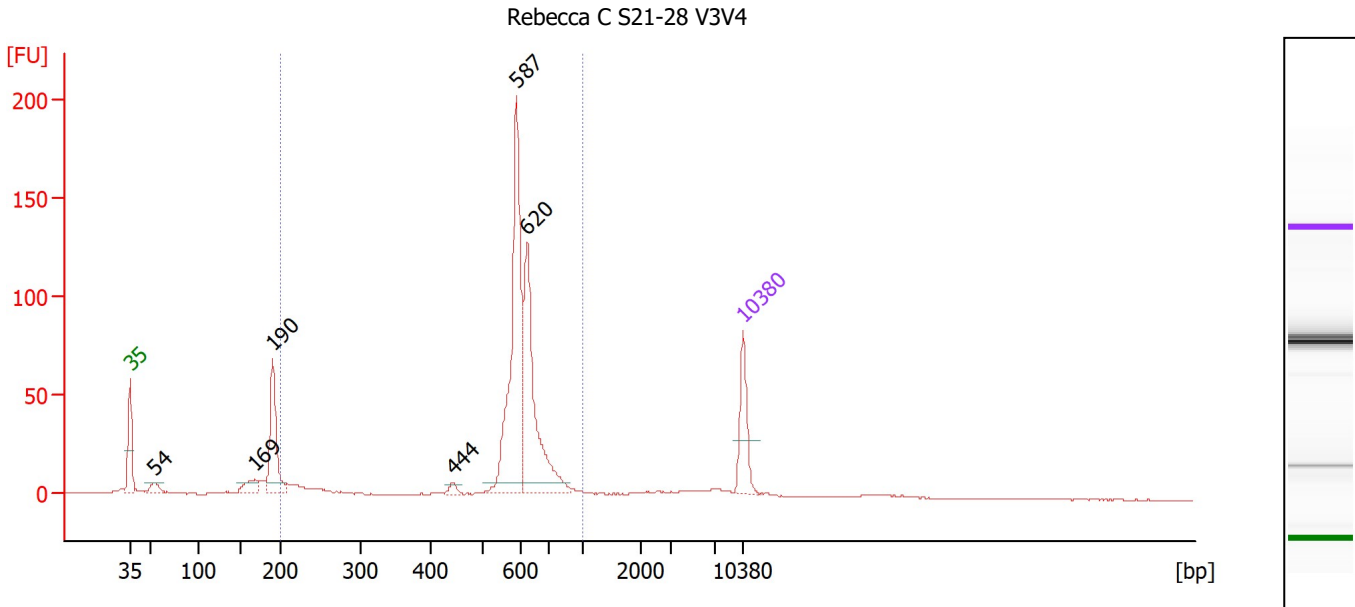
Region table for sample 9 : Marshall M 1-10 V3V4

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	556.2	73	636	15.0	873.20	2,237.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Rebecca C S21-28 V3V4

Number of peaks found: 6 Corr. Area 1: 566.8
 Noise: 0.3

Peak table for sample 10 : Rebecca C S21-28 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	34.19	951.4	
3	169	43.15	387.6	
4	190	186.34	1,484.7	
5	444	11.14	38.0	
6	587	408.29	1,053.6	
7	620	300.03	733.0	
8	10,380	75.00	10.9	Upper Marker

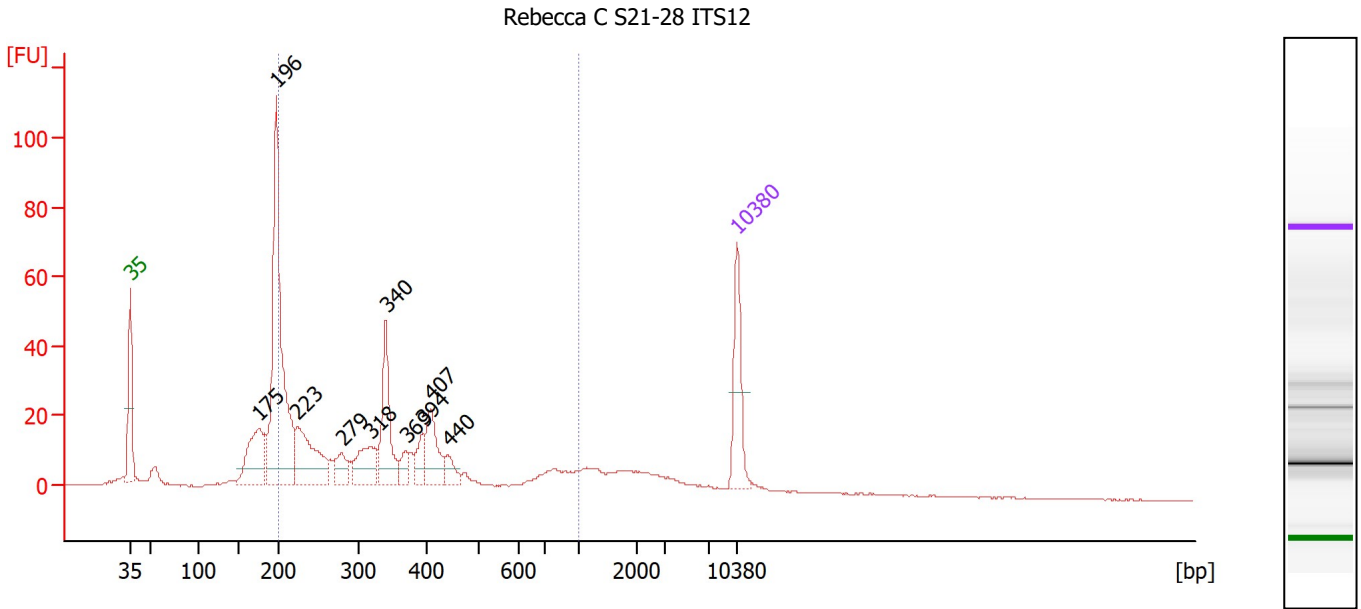
Region table for sample 10 : Rebecca C S21-28 V3V4

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	566.8	71	586	19.0	871.08	2,542.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Rebecca C S21-28 ITS12

Number of peaks found: 10 Corr. Area 1: 459.7
 Noise: 0.2

Peak table for sample 11 : Rebecca C S21-28 ITS12

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	175	129.10	1,119.5	
3	196	478.52	3,702.8	
4	223	149.97	1,020.0	
5	279	40.46	219.7	
6	318	76.27	363.7	
7	340	124.38	554.0	
8	369	23.47	96.4	
9	394	32.97	126.9	
10	407	72.29	269.2	
11	440	25.37	87.3	
12	10,380	75.00	10.9	Upper Marker

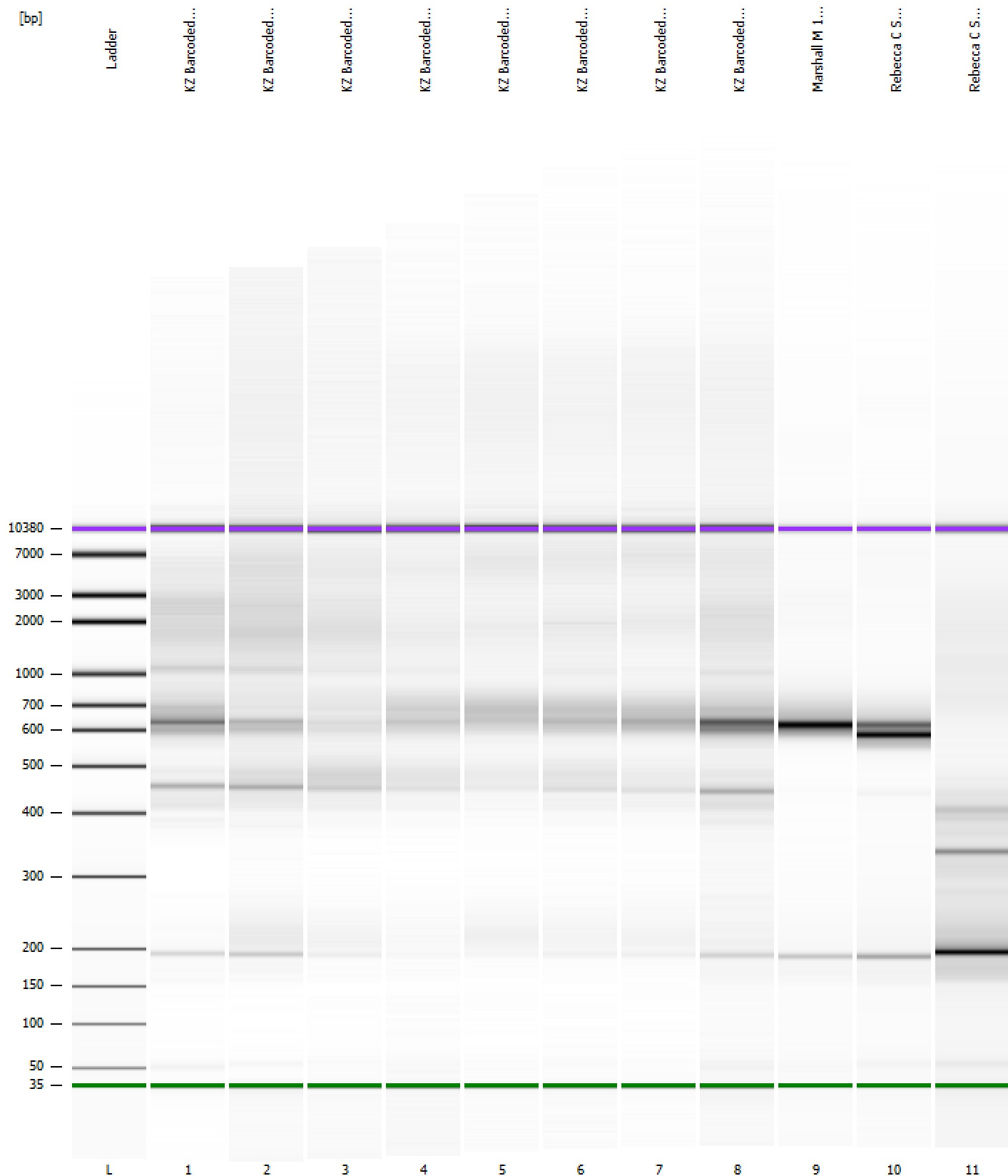
Region table for sample 11 : Rebecca C S21-28 ITS12

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	459.7	59	364	45.6	916.89	4,652.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
Modified: 5/7/2024 4:26:18 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad

Created: 5/7/2024 3:37:02 PM
 Modified: 5/7/2024 4:26:18 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		5/7/2024 4:18:23 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\2024-05-07\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-05-07_001.xad)		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/7/2024 3:37:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB