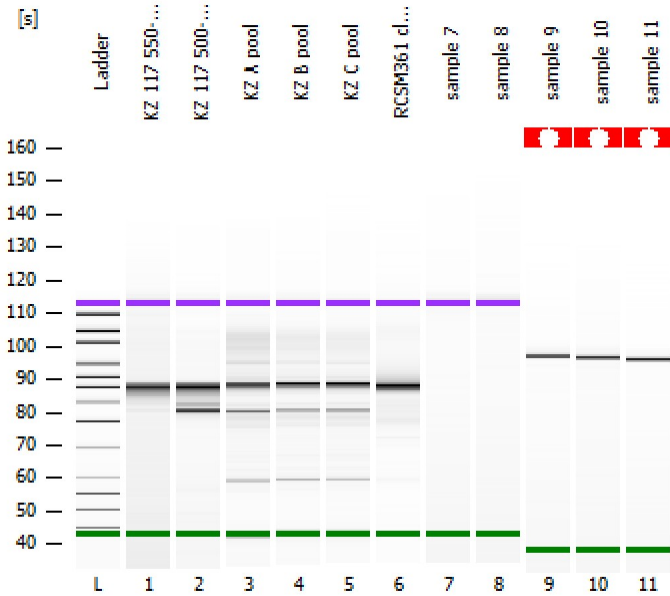


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
Modified: 5/14/2024 2:10:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

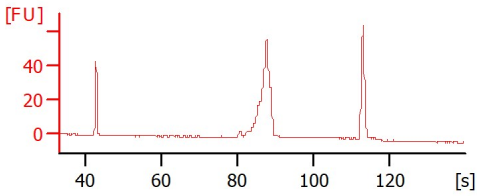
Assay Information:

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

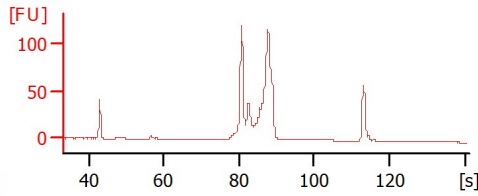
Chip Information:

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

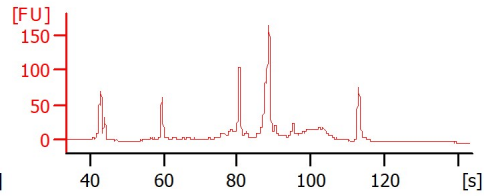
KZ 117 550-750 pippin



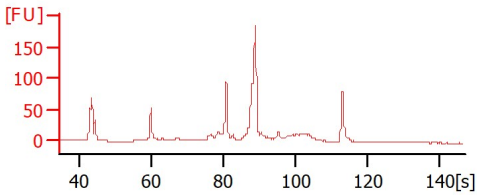
KZ 117 500-750 pippin



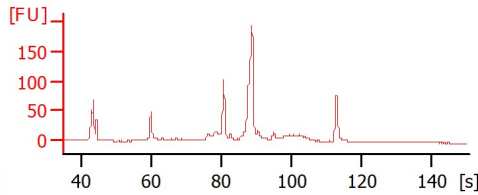
KZ A pool



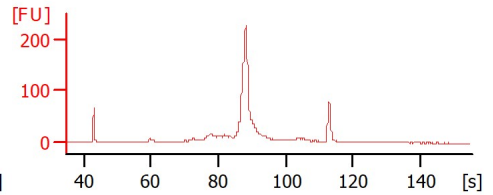
KZ B pool



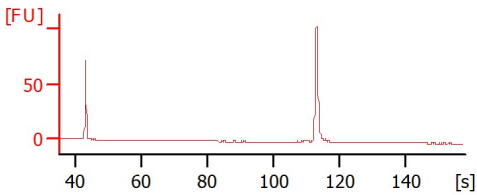
KZ C pool



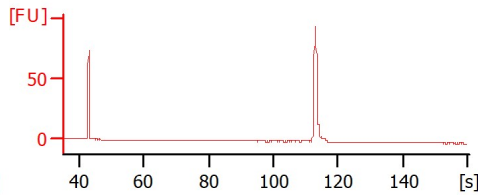
RCSM361 clean pool



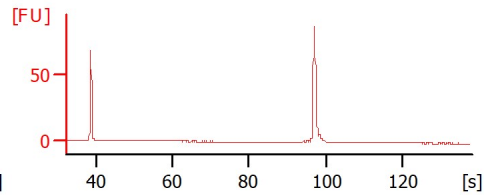
sample 7



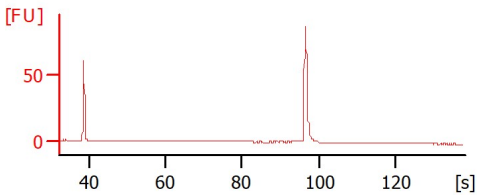
sample 8



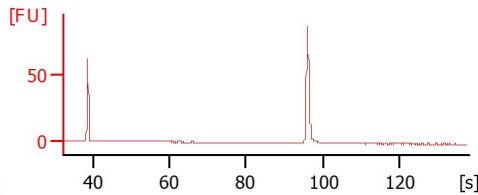
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
KZ 117 550-750 pippin		<input type="checkbox"/>		✓		
KZ 117 500-750 pippin		<input type="checkbox"/>		✓		
KZ A pool		<input type="checkbox"/>		✓		
KZ B pool		<input type="checkbox"/>		✓		
KZ C pool		<input type="checkbox"/>		✓		
RCSM361 clean pool		<input type="checkbox"/>		✓		
sample 7		<input type="checkbox"/>		✓		
sample 8		<input type="checkbox"/>		✓		
sample 9		<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_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 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

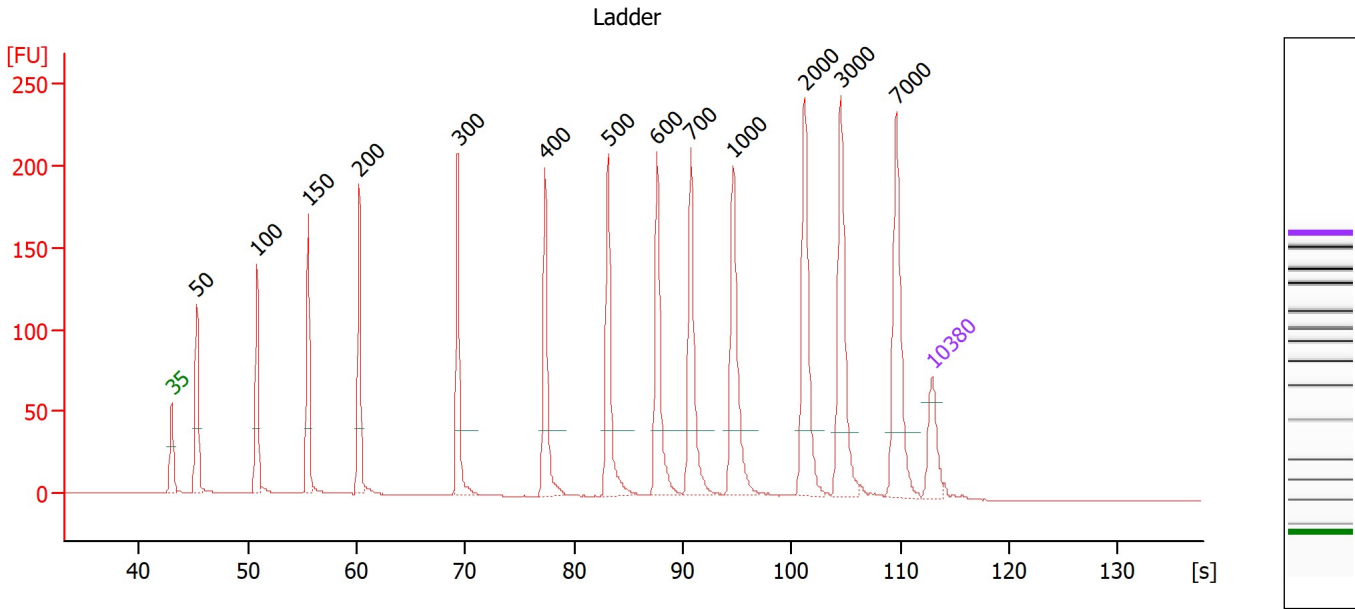
Ladder

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_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

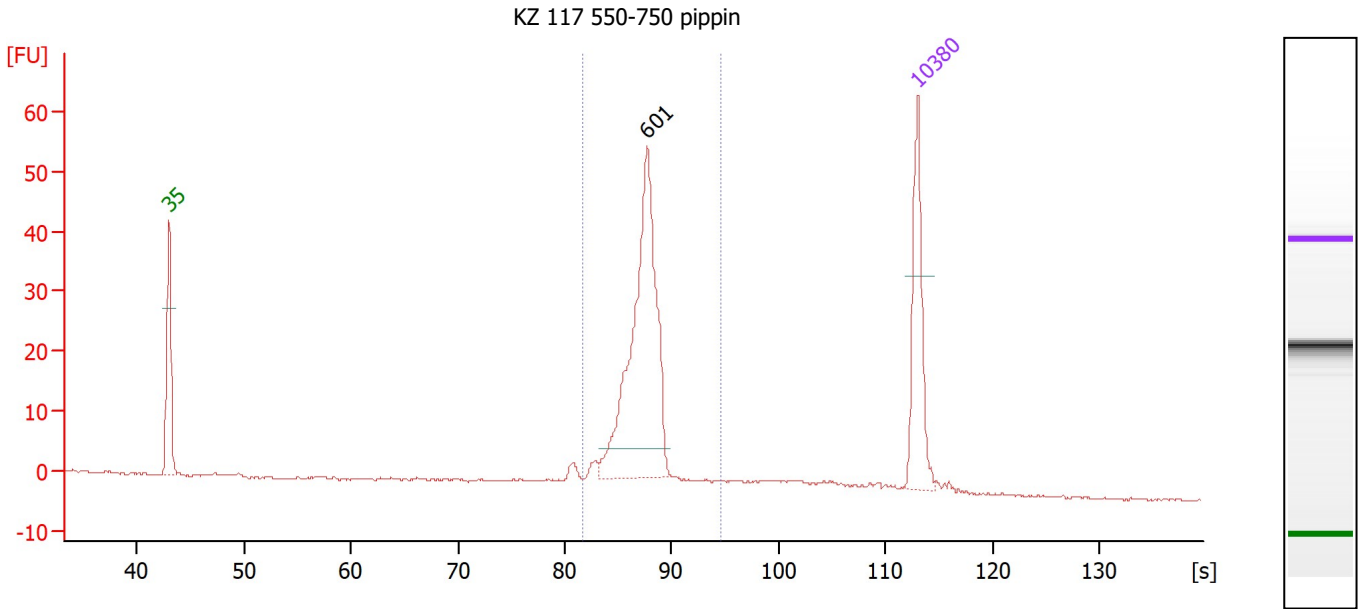
Peak table for Ladder

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_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : KZ 117 550-750 pippin

Number of peaks found: 1 Corr. Area 1: 183.0
 Noise: 0.2

Peak table for sample 1 : KZ 117 550-750 pippin

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	601	264.16	665.9	
3	10,380	75.00	10.9	Upper Marker

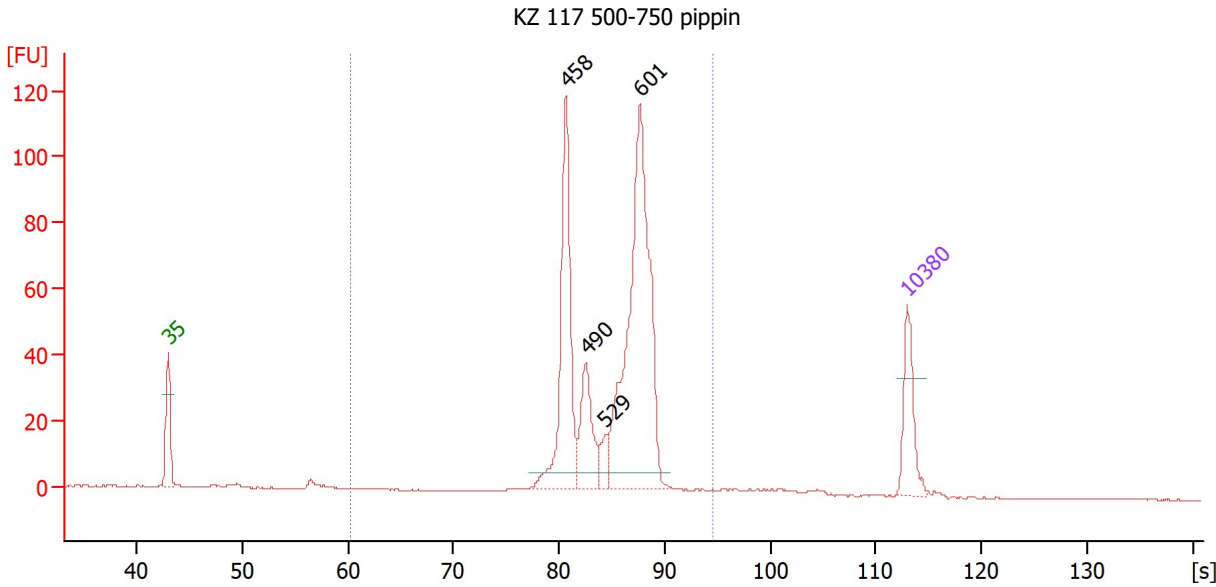
Region table for sample 1 : KZ 117 550-750 pippin

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
477	1,000	183.0	84	597	9.7	306.55	785.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : KZ 117 500-750 pippin

Number of peaks found: 4 Corr. Area 1: 580.8
 Noise: 0.2

Peak table for sample 2 : KZ 117 500-750 pippin

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	458	307.39	1,017.5	
3	490	115.83	358.0	
4	529	27.73	79.4	
5	601	549.24	1,385.0	
6	10,380	75.00	10.9	Upper Marker

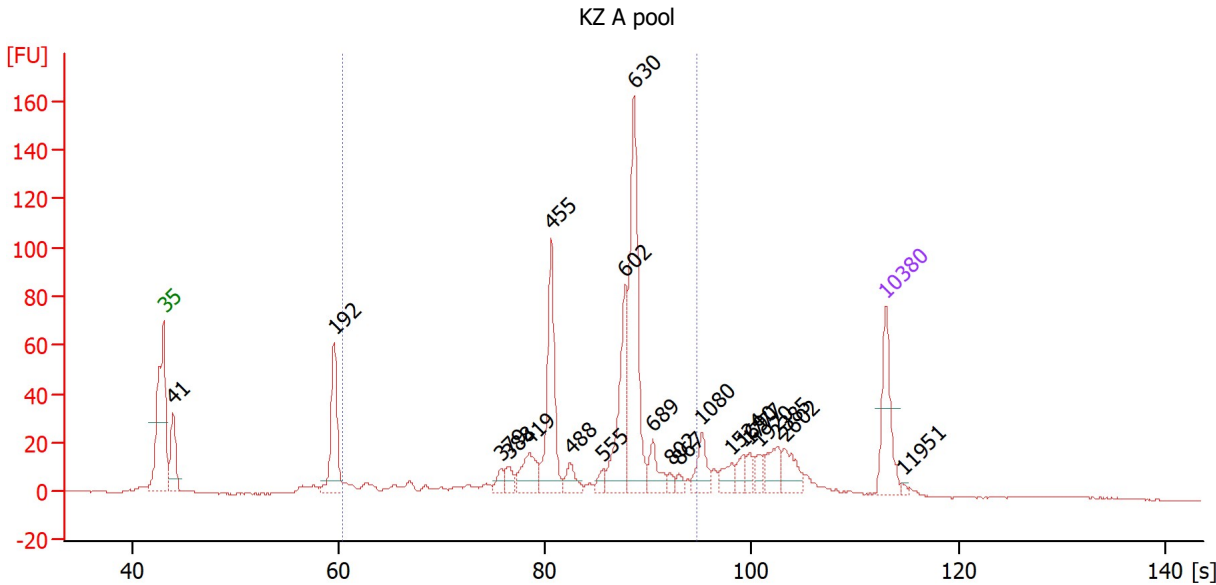
Region table for sample 2 : KZ 117 500-750 pippin

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	580.8	93	547	14.4	1,074.95	3,077.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : KZ A pool

Number of peaks found: 21 Corr. Area 1: 604.5
 Noise: 0.1

Peak table for sample 3 : KZ A pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	104.88	3,903.0	
3	192	151.99	1,198.9	
4	379	17.61	70.3	
5	388	19.43	75.8	
6	419	58.04	209.8	
7	455	169.25	563.3	
8	488	27.99	87.0	
9	555	13.75	37.5	
10	602	139.81	352.1	
11	630	256.47	616.8	
12	689	39.51	86.9	
13	802	9.27	17.5	
14	867	9.01	15.8	
15	1,080	39.31	55.2	
16	1,524	22.21	22.1	
17	1,690	17.66	15.8	
18	1,777	14.07	12.0	
19	1,920	15.42	12.2	
20	2,385	32.66	20.8	
21	2,602	32.74	19.1	
22	10,380	75.00	10.9	Upper Marker
23	11,951	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

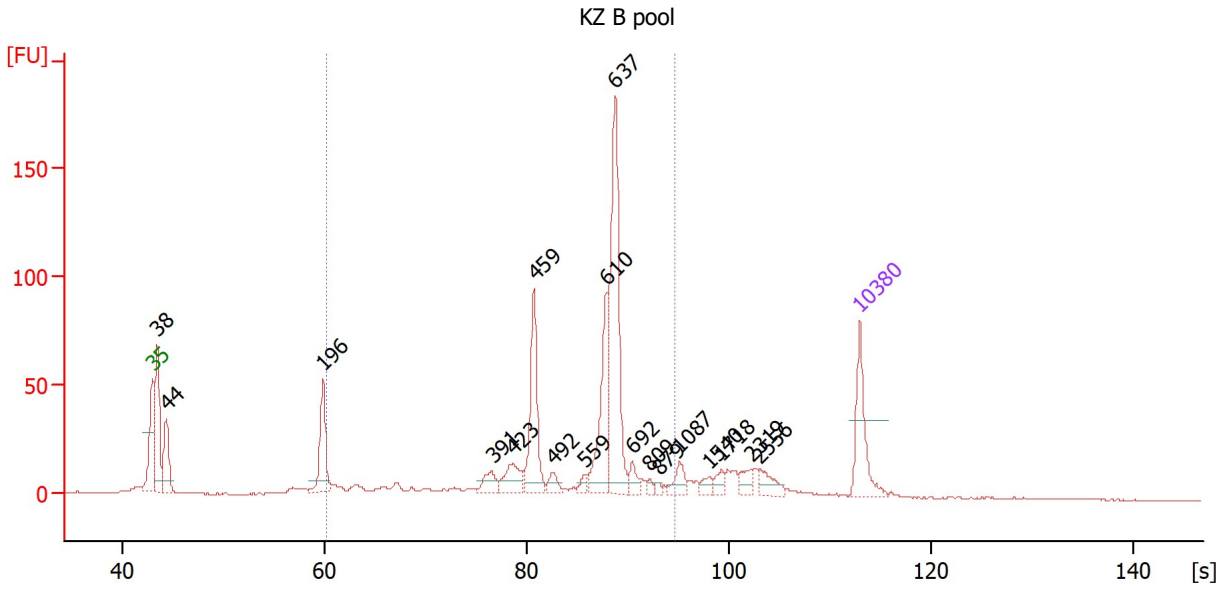
KZ A pool

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	604.5	63	548	25.6	949.95	3,000.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : KZ B pool

Number of peaks found: 18 Corr. Area 1: 596.9
 Noise: 0.2

Peak table for sample 4 : KZ B pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	38	187.81	7,470.5	
3	44	99.41	3,428.9	
4	196	111.56	860.6	
5	391	27.22	105.6	
6	423	46.11	165.1	
7	459	138.63	457.7	
8	492	18.42	56.7	
9	559	10.18	27.6	
10	610	128.19	318.5	
11	637	274.14	651.8	
12	692	19.89	43.6	
13	809	7.14	13.4	
14	879	5.53	9.5	
15	1,087	23.19	32.3	
16	1,540	11.85	11.7	
17	1,718	12.79	11.3	
18	2,319	18.50	12.1	
19	2,556	23.88	14.2	
20	10,380	75.00	10.9	Upper Marker

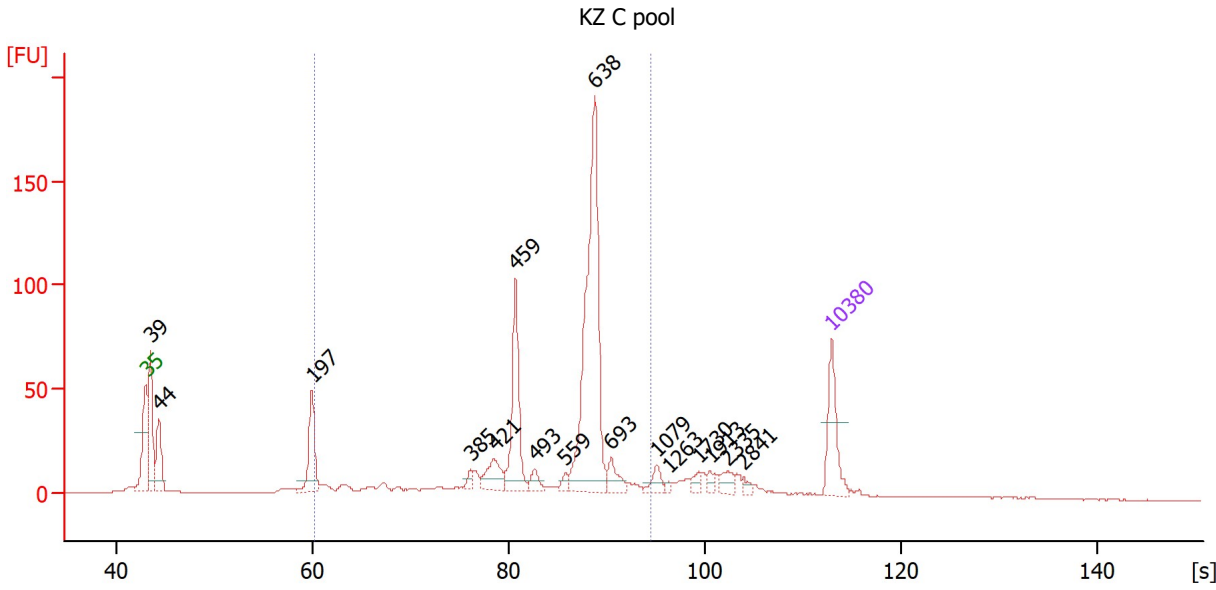
Region table for sample 4 : KZ B pool

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	596.9	63	551	25.1	868.48	2,759.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : KZ C pool

Number of peaks found: 16 Corr. Area 1: 648.4
 Noise: 0.2

Peak table for sample 5 : KZ C pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	185.12	7,278.1	
3	44	104.68	3,617.3	
4	197	112.36	863.2	
5	385	12.90	50.8	
6	421	50.27	180.9	
7	459	160.09	528.5	
8	493	19.35	59.5	
9	559	11.24	30.5	
10	638	448.48	1,064.8	
11	693	30.77	67.3	
12	1,079	20.30	28.5	
13	1,263	4.67	5.6	
14	1,730	11.83	10.4	
15	1,913	8.24	6.5	
16	2,335	19.11	12.4	
17	2,841	7.41	4.0	
18	10,380	75.00	10.9	Upper Marker

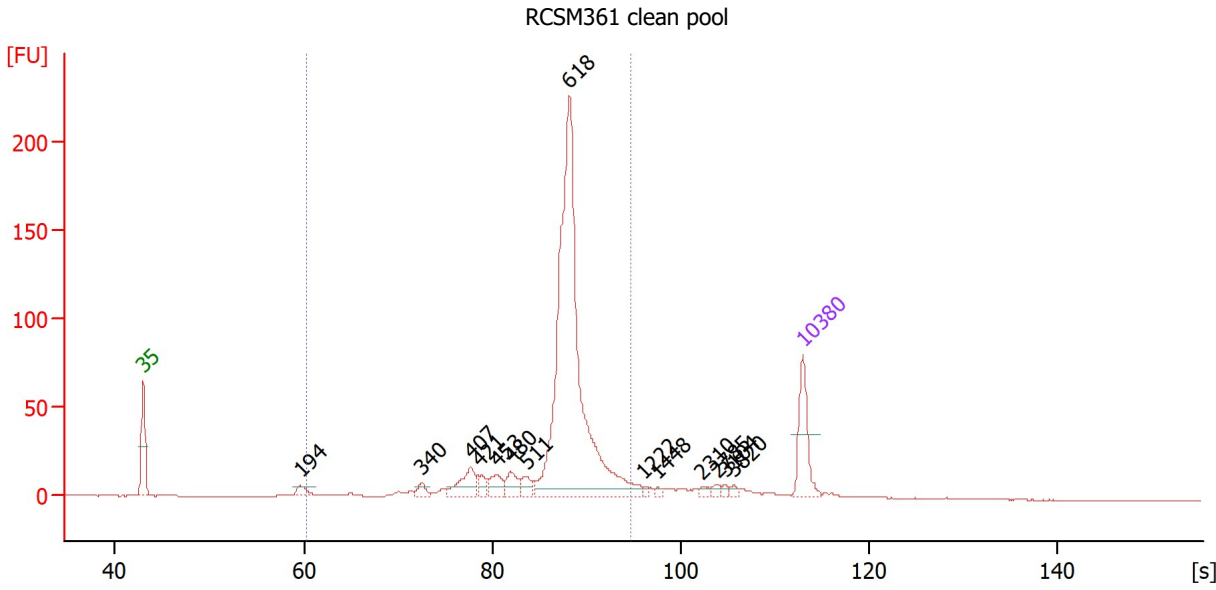
Region table for sample 5 : KZ C pool

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	648.4	66	548	25.1	995.27	3,178.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RCSM361 clean pool

Number of peaks found: 14 Corr. Area 1: 791.0
 Noise: 0.1

Peak table for sample 6 : RCSM361 clean pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	18.65	146.1	
3	340	16.04	71.6	
4	407	56.65	210.8	
5	421	18.03	64.9	
6	453	32.12	107.3	
7	480	32.51	102.6	
8	511	20.04	59.4	
9	618	823.27	2,017.8	
10	1,222	4.87	6.0	
11	1,448	4.04	4.2	
12	2,310	6.87	4.5	
13	2,785	6.71	3.7	
14	3,104	4.53	2.2	
15	3,820	5.53	2.2	
16	10,380	75.00	10.9	Upper Marker

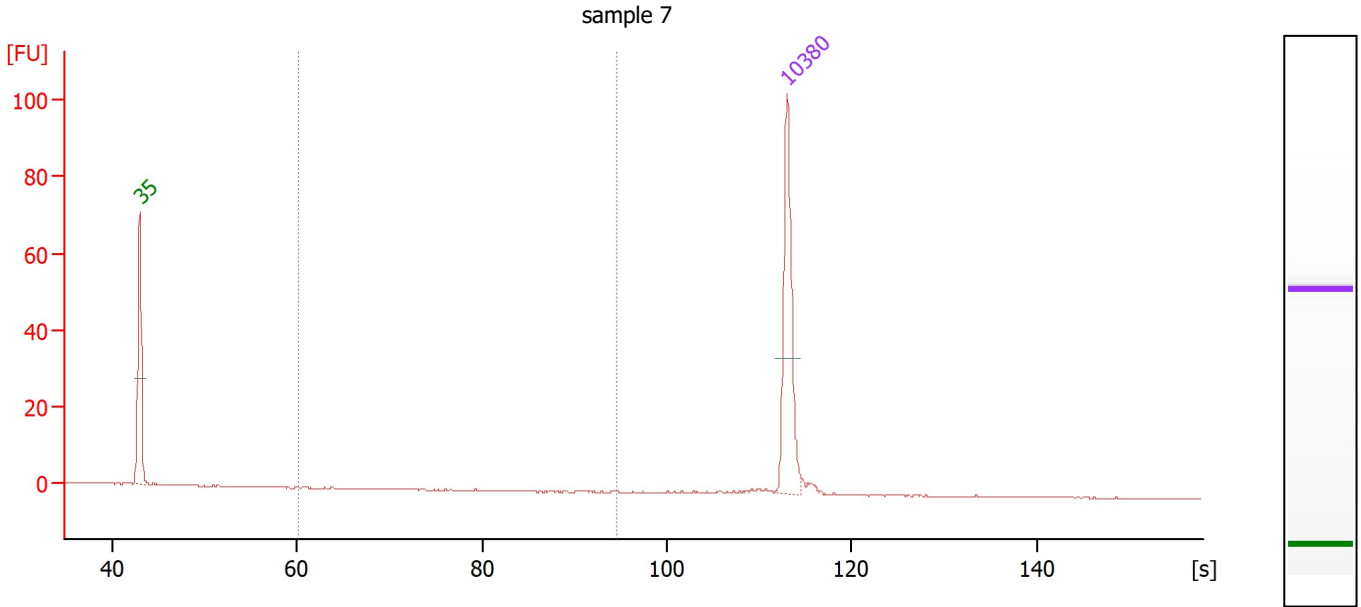
Region table for sample 6 : RCSM361 clean pool

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	791.0	87	596	19.0	1,058.58	2,886.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 7 : sample 7

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

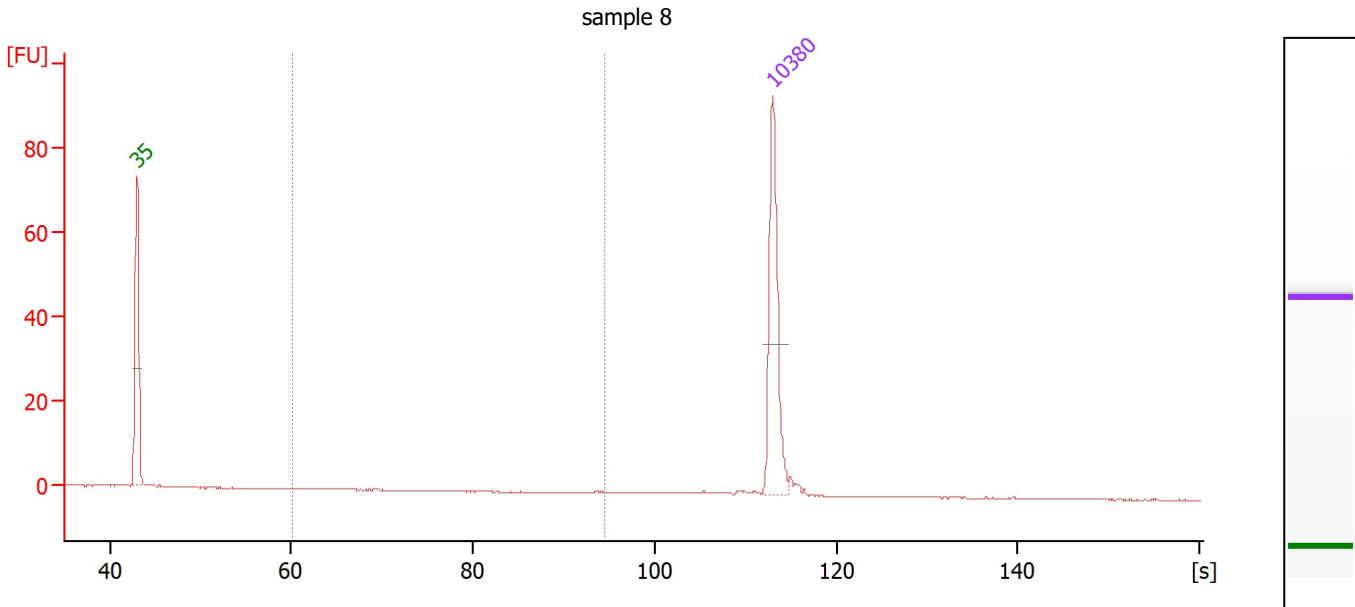
Region table for sample 7 : sample 7

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	0.0	0	0	0.0	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 8 : sample 8

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

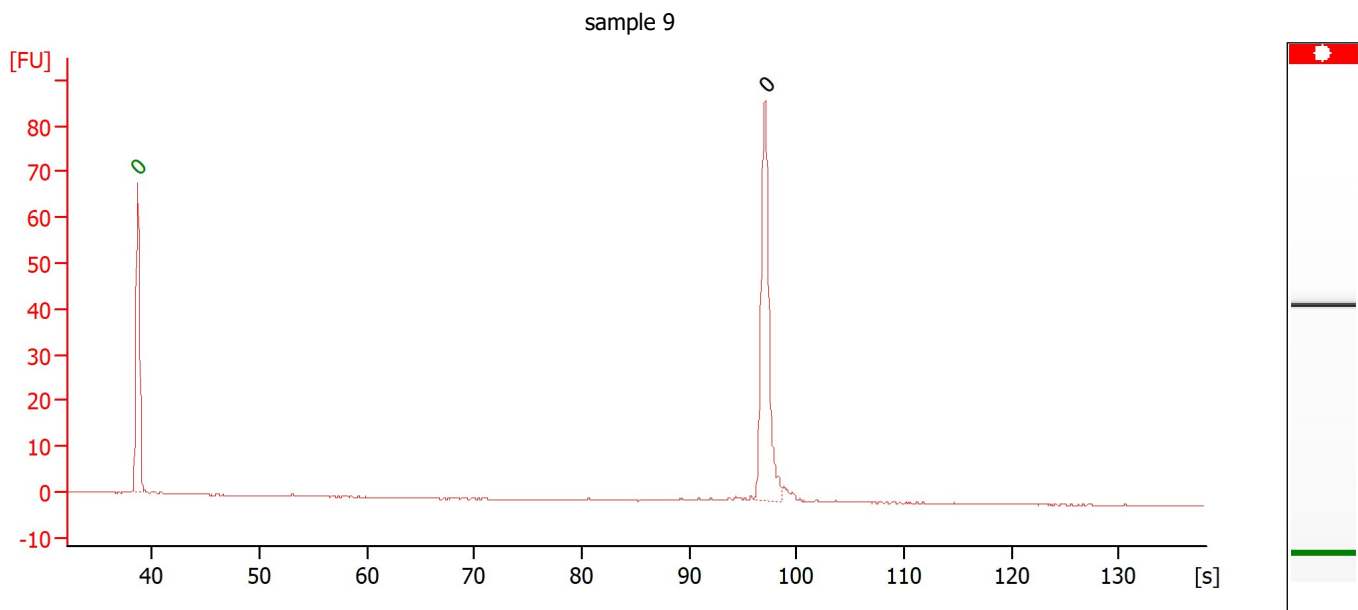
Region table for sample 8 : sample 8

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	0.0	0	938	2.2	0.03	0.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 1 Noise: 0.1

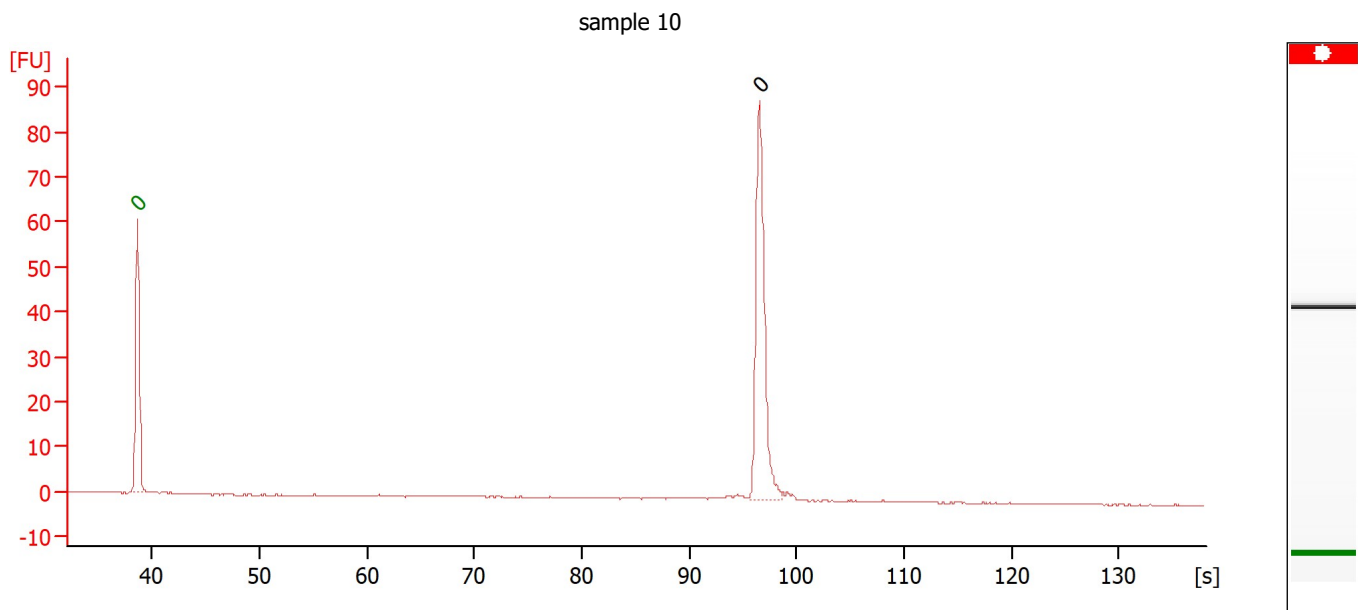
Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Noise: 0.1

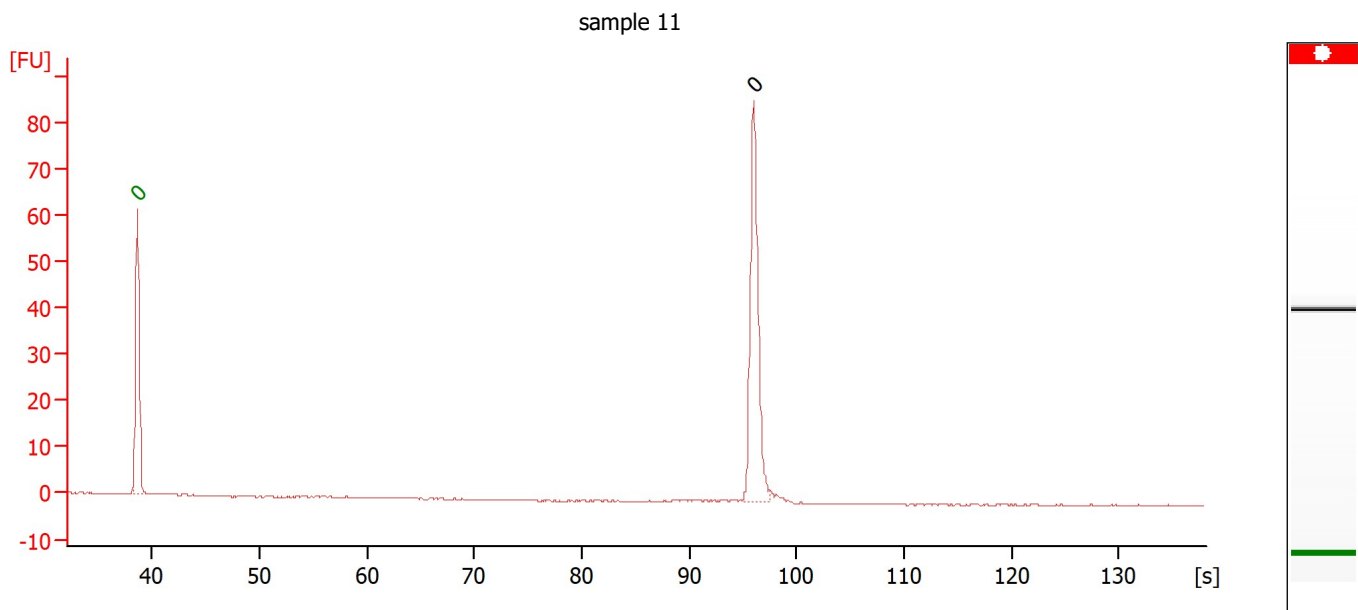
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Noise: 0.1

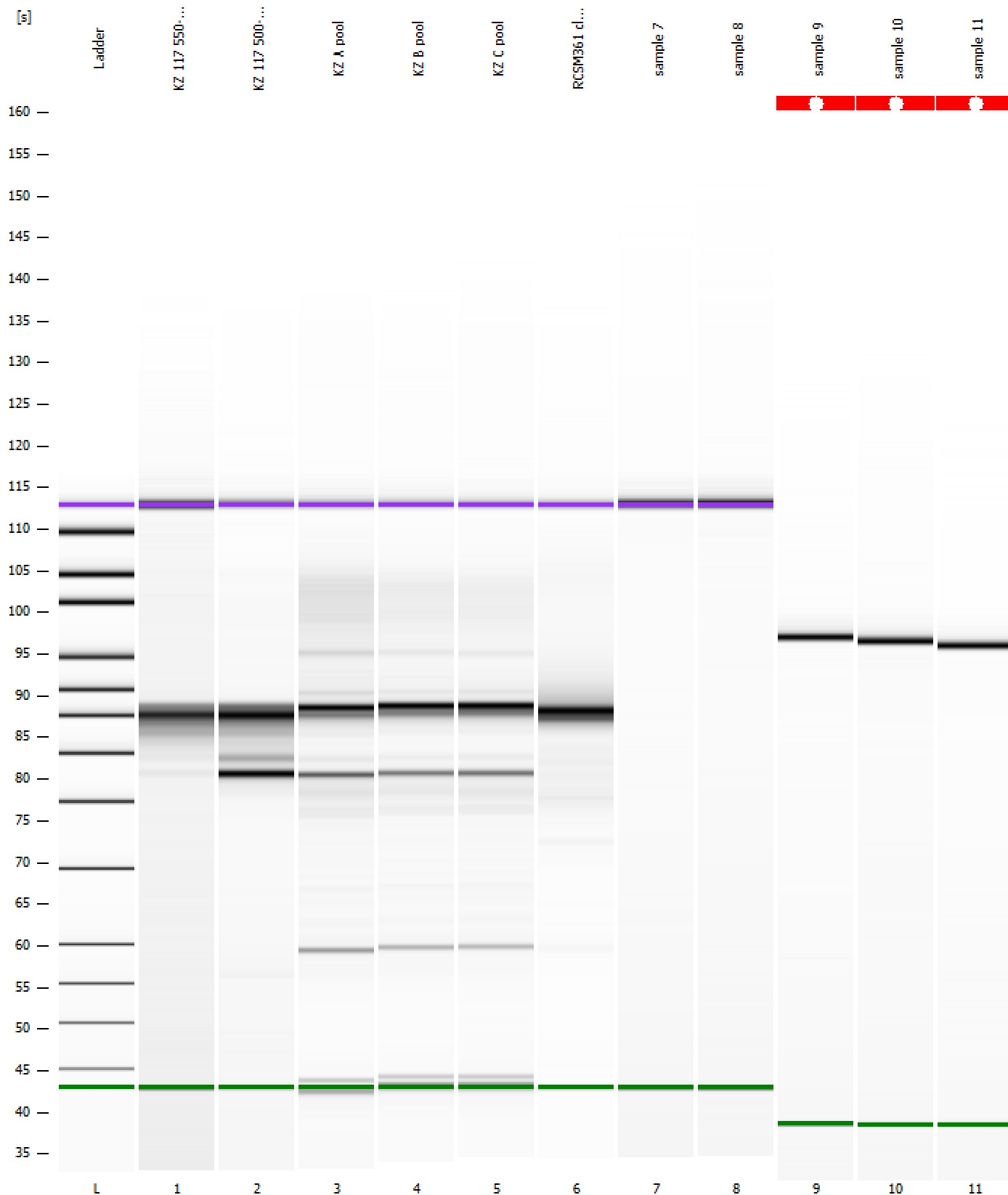
Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
Modified: 5/14/2024 2:10:26 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad

Created: 5/14/2024 1:29:02 PM
 Modified: 5/14/2024 2:10:26 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		5/14/2024 2:10:23 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\2024-05-14\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-05-14_001.xad)		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/14/2024 1:29:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB