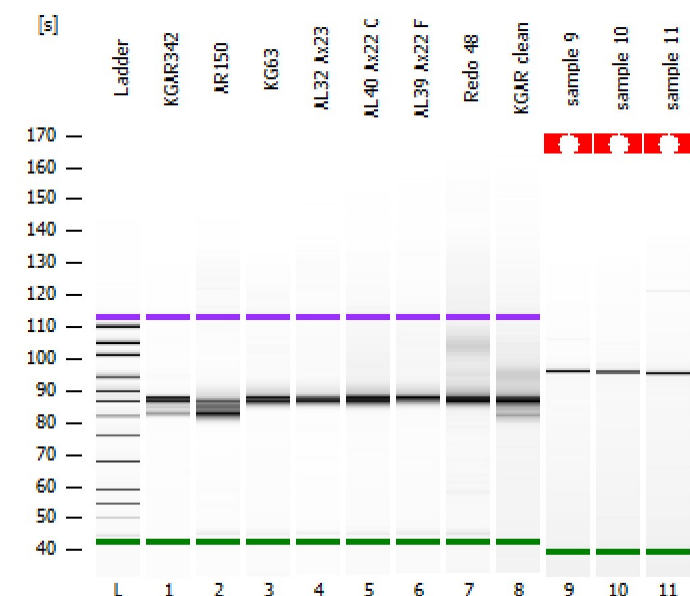


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electrophoresis File Run Summary



Instrument Information:

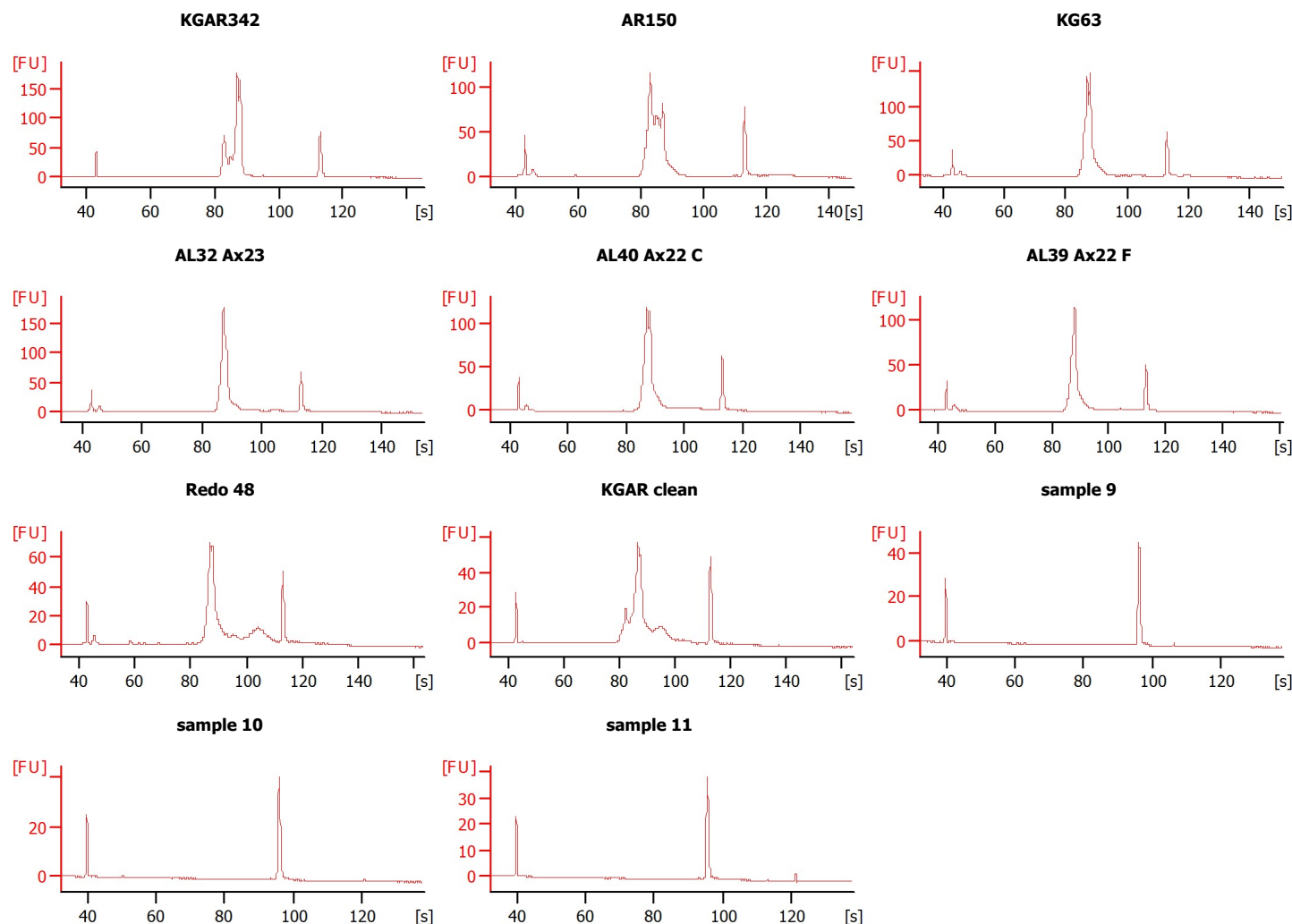
Instrument Name: DE34903152
Serial#: DE34903152
Firmware: C.01.069
Type: G2938C

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: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
KGAR342		☐	✓			
AR150		☐	✓			
KG63		☐	✓			
AL32 Ax23		☐	✓			
AL40 Ax22 C		☐	✓			
AL39 Ax22 F		☐	✓			
Redo 48		☐	✓			
KGAR clean		☐	✓			
sample 9		☐	✓			
sample 10		☐	✓			
sample 11		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

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

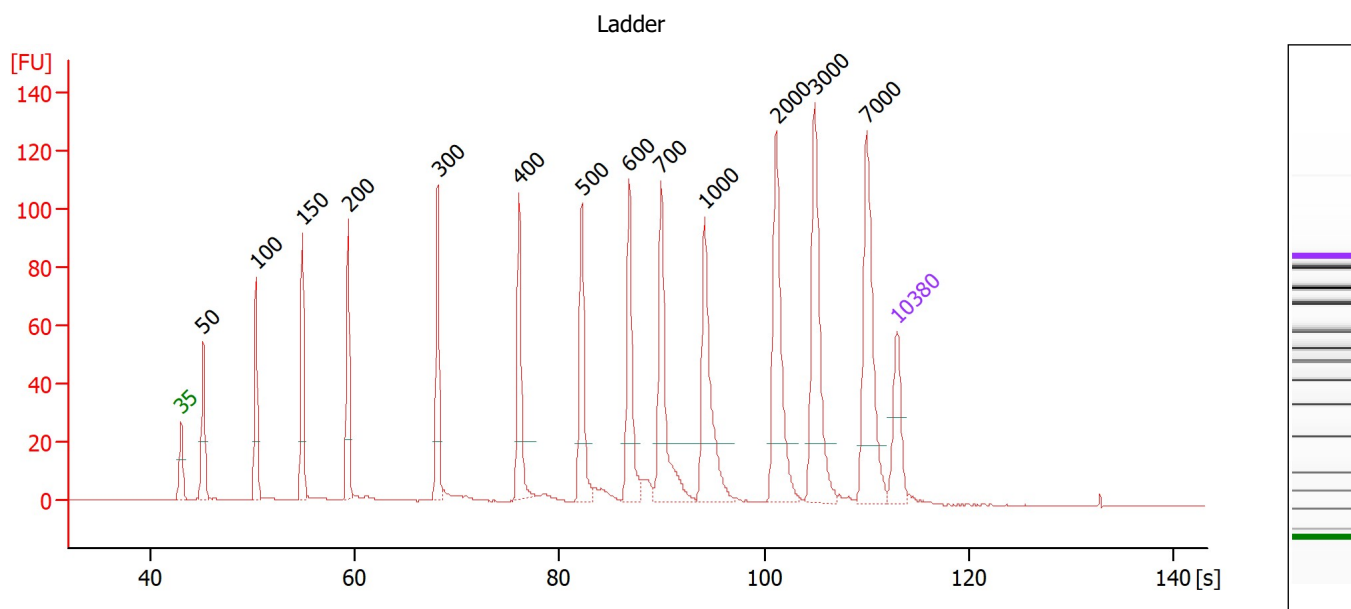
Ladder

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_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

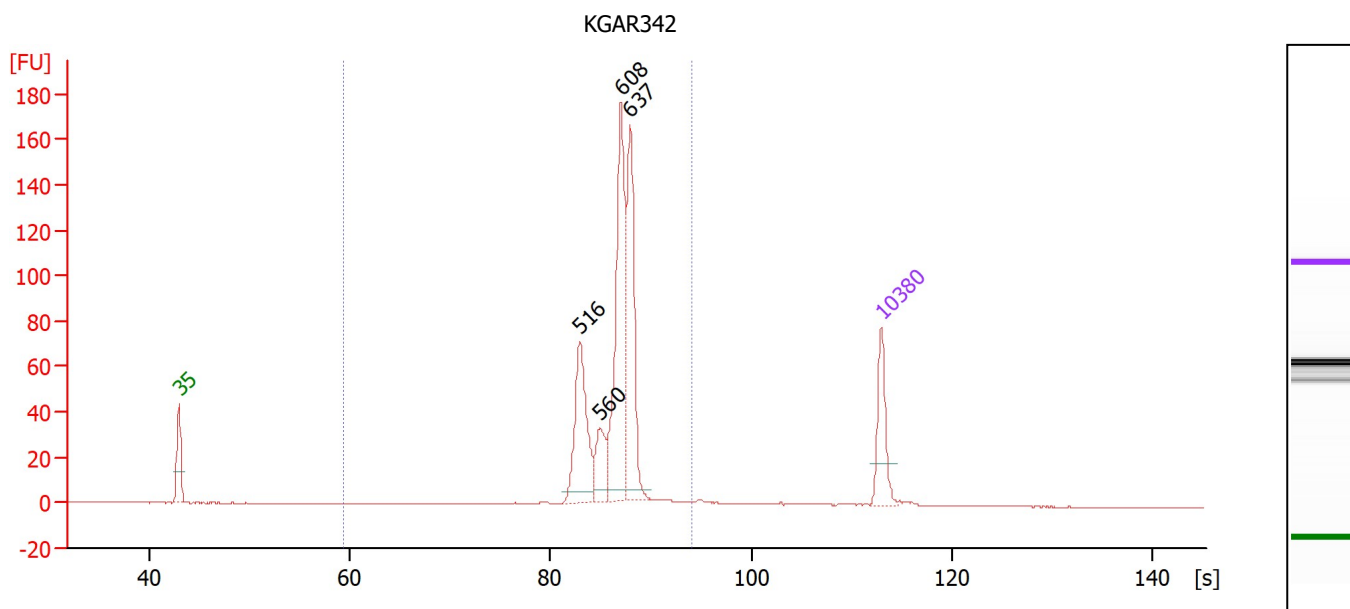
Peak table for Ladder

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_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : KGAR342

Number of peaks found: 4 Corr. Area 1: 556.2
 Noise: 0.1

Peak table for sample 1 : KGAR342

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	516	189.95	557.5	
3	560	67.64	182.9	
4	608	311.56	776.6	
5	637	249.25	593.1	
6	10,380	75.00	10.9	Upper Marker

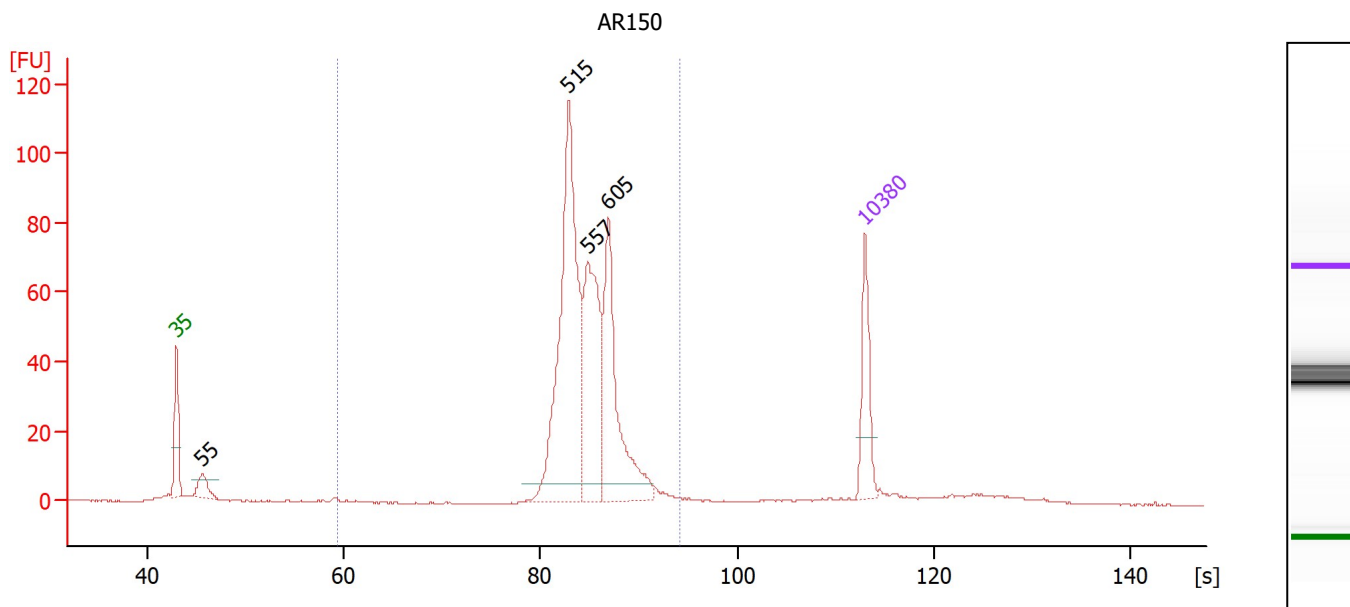
Region table for sample 1 : KGAR342

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	95	596	10.3	870.22	2,245.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AR150

Number of peaks found: 4 Corr. Area 1: 575.4
 Noise: 0.1

Peak table for sample 2 : AR150

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	43.02	1,195.0	
3	515	486.51	1,431.8	
4	557	247.45	672.7	
5	605	240.34	601.9	
6	10,380	75.00	10.9	Upper Marker

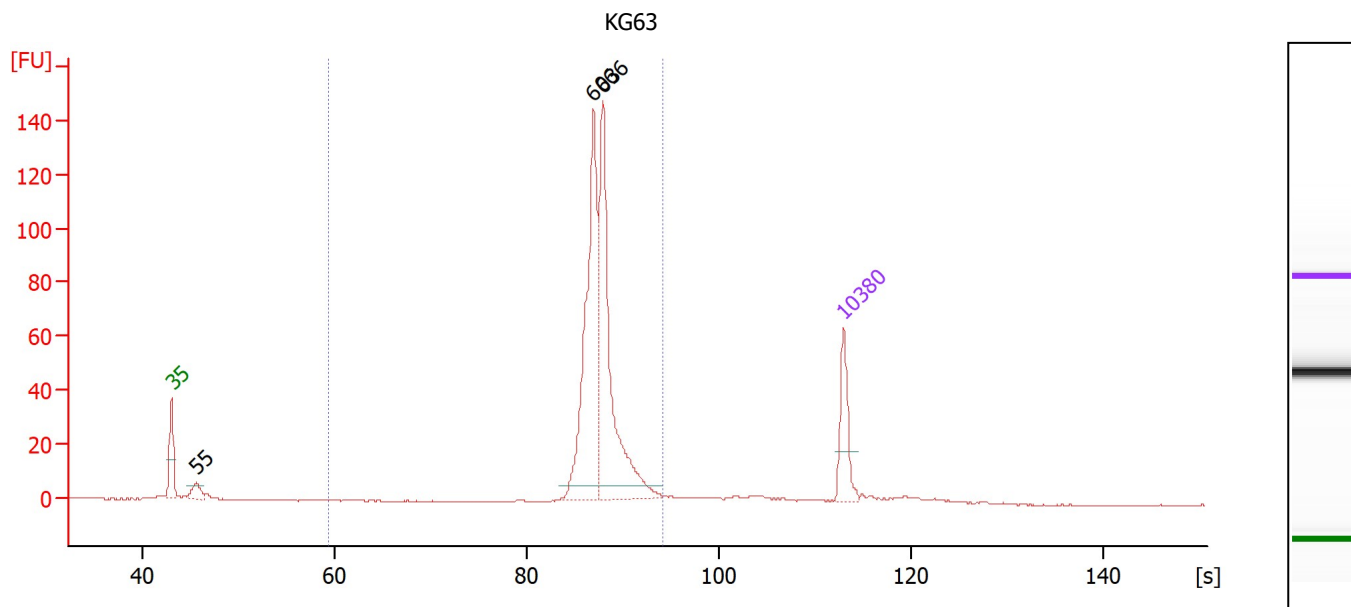
Region table for sample 2 : AR150

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	575.4	87	563	12.5	997.49	2,728.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : KG63

Number of peaks found: 3 Corr. Area 1: 448.0
Noise: 0.2

Peak table for sample 3 : KG63

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	38.41	1,065.2	
3	606	408.78	1,022.3	
4	636	413.67	985.4	
5	10,380	75.00	10.9	Upper Marker

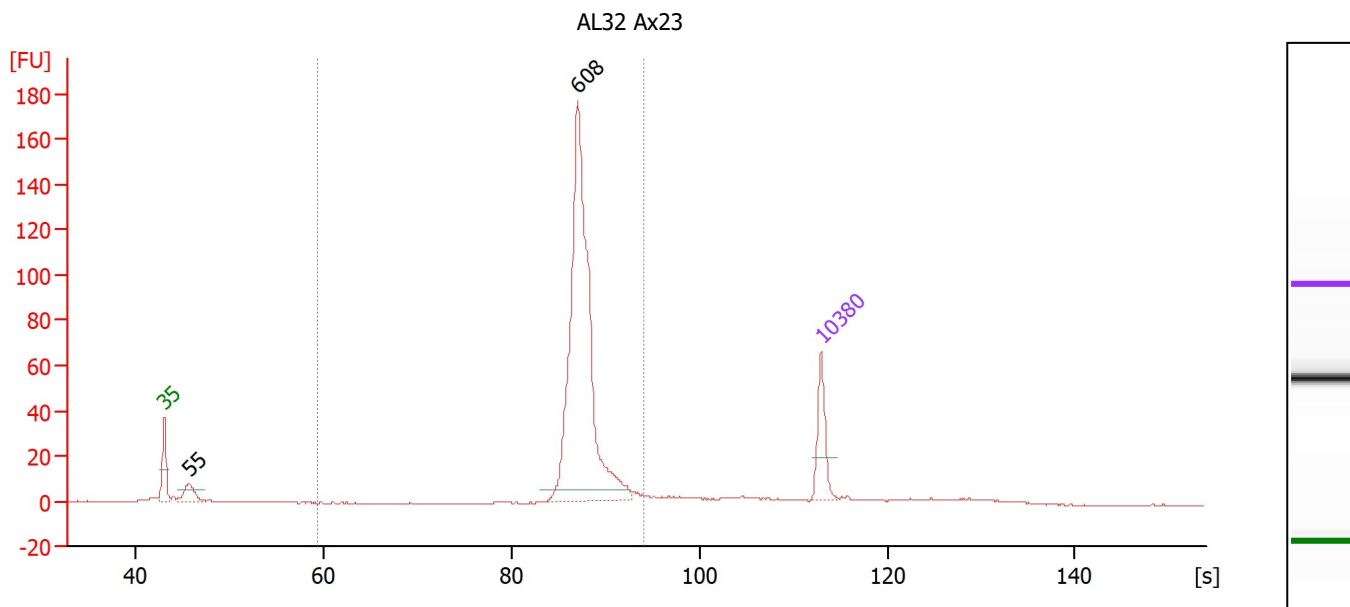
Region table for sample 3 : KG63

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	448.0	87	636	10.3	840.69	2,020.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AL32 Ax23

Number of peaks found: 2 Corr. Area 1: 456.1
Noise: 0.2

Peak table for sample 4 : AL32 Ax23

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	64.12	1,760.1	
3	608	826.35	2,060.6	
4	10,380	75.00	10.9	Upper Marker

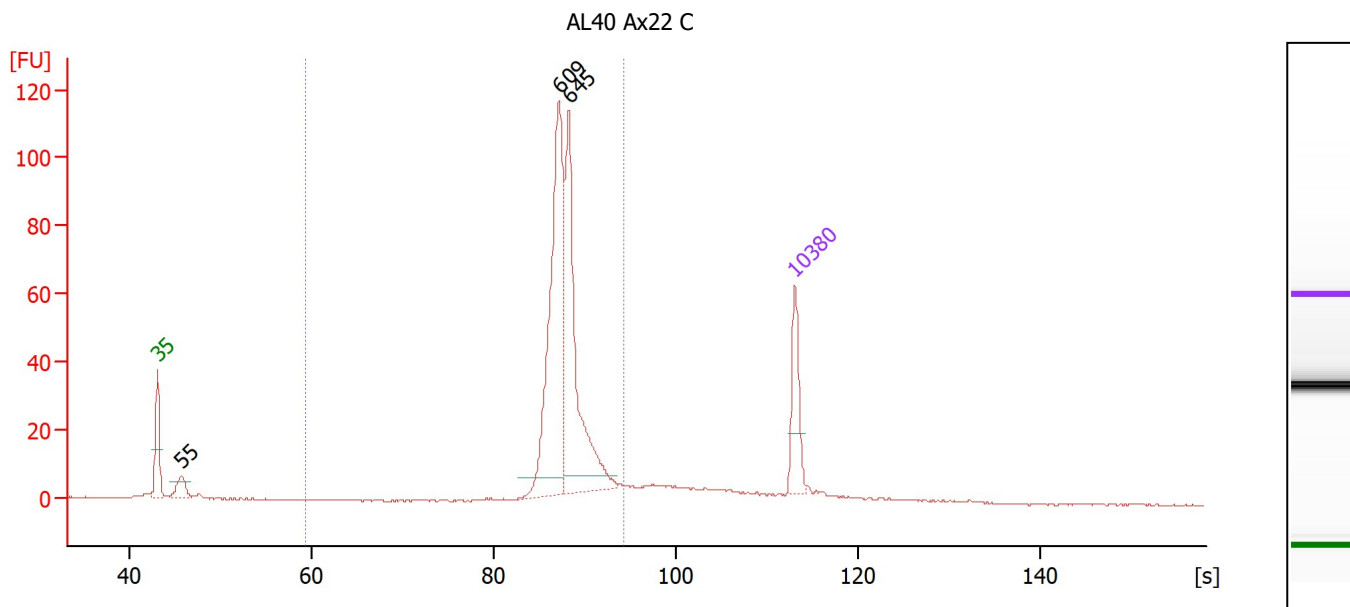
Region table for sample 4 : AL32 Ax23

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	456.1	82	634	10.3	857.62	2,068.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AL40 Ax22 C

Number of peaks found: 3 Corr. Area 1: 417.5
Noise: 0.2

Peak table for sample 5 : AL40 Ax22 C

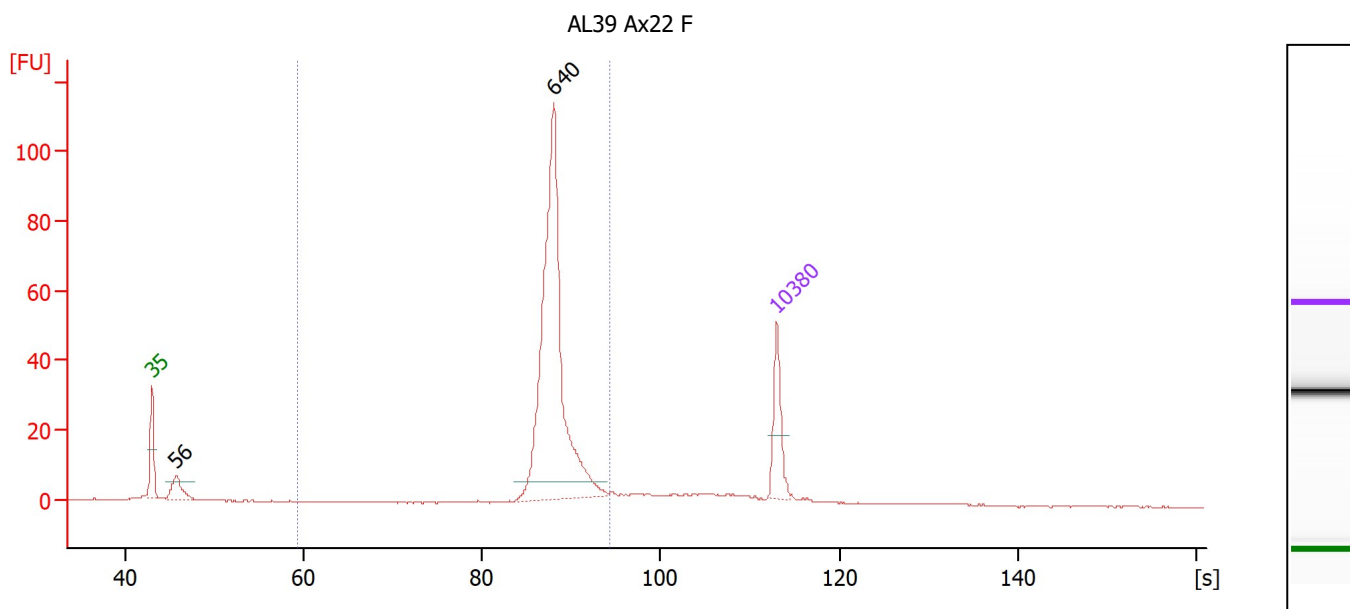
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	45.39	1,252.9	
3	609	428.63	1,065.9	
4	645	343.00	805.9	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : AL40 Ax22 C

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	417.5	79	642	11.7	838.43	2,002.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : AL39 Ax22 F**

Number of peaks found: 2 Corr. Area 1: 302.1
Noise: 0.2

Peak table for sample 6 : AL39 Ax22 F

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	64.69	1,751.7	
3	640	675.75	1,600.8	
4	10,380	75.00	10.9	Upper Marker

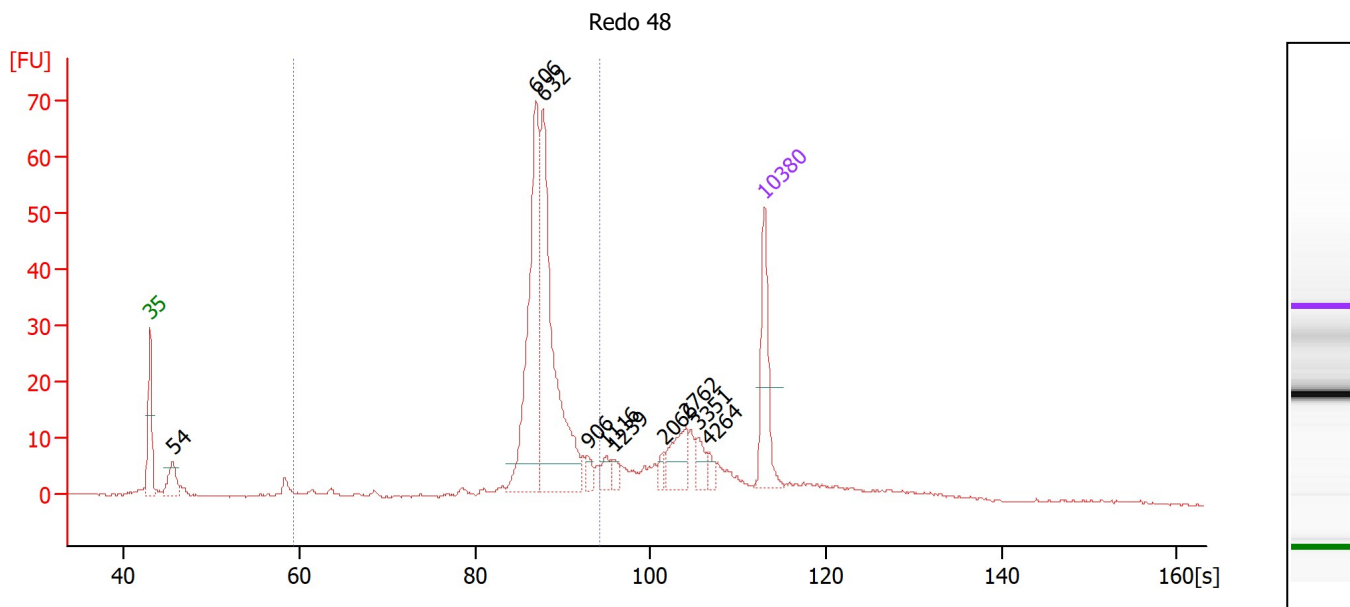
Region table for sample 6 : AL39 Ax22 F

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	302.1	79	650	11.0	715.24	1,684.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Redo 48

Number of peaks found: 10 Corr. Area 1: 275.7
Noise: 0.2

Peak table for sample 7 : Redo 48

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	47.06	1,319.1	
3	606	250.02	624.8	
4	632	295.76	709.5	
5	906	12.75	21.3	
6	1,116	13.24	18.0	
7	1,239	8.93	10.9	
8	2,066	8.13	6.0	
9	2,762	40.29	22.1	
10	3,351	17.51	7.9	
11	4,264	8.27	2.9	
12	10,380	75.00	10.9	Upper Marker

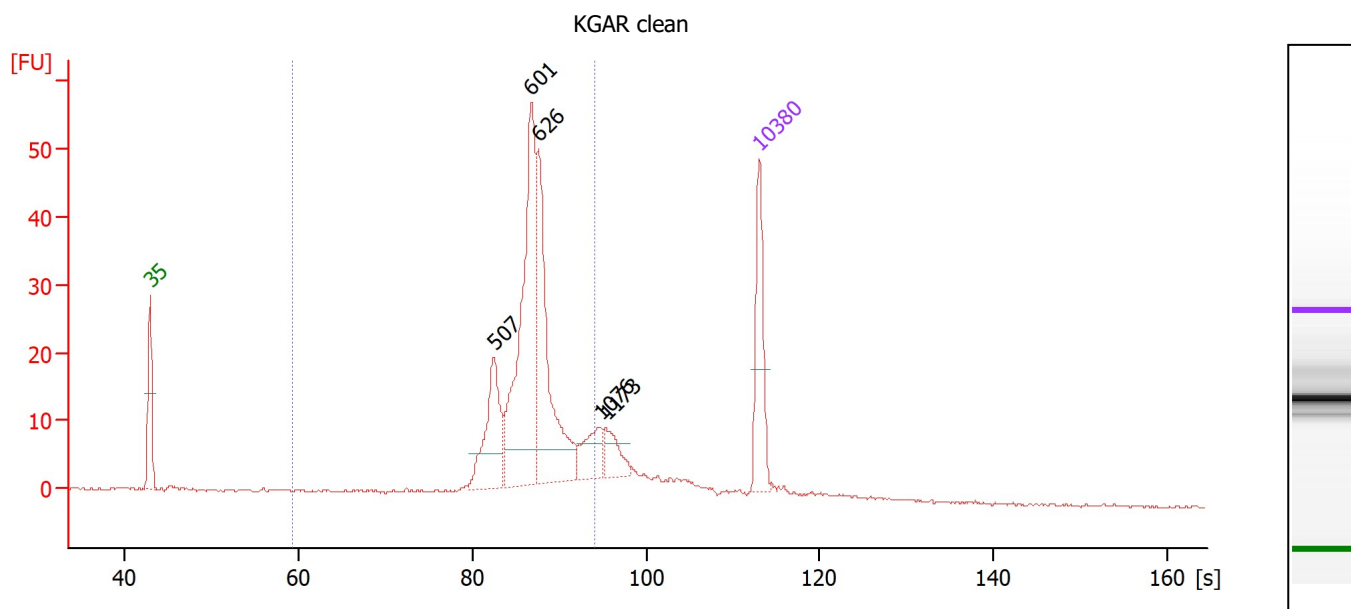
Region table for sample 7 : Redo 48

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	275.7	61	638	16.9	652.86	1,645.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : KGAR clean

Number of peaks found: 5 Corr. Area 1: 288.2
 Noise: 0.2

Peak table for sample 8 : KGAR clean

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	507	107.01	319.7	
3	601	271.50	684.5	
4	626	184.13	445.3	
5	1,076	40.08	56.5	
6	1,173	29.96	38.7	
7	10,380	75.00	10.9	Upper Marker

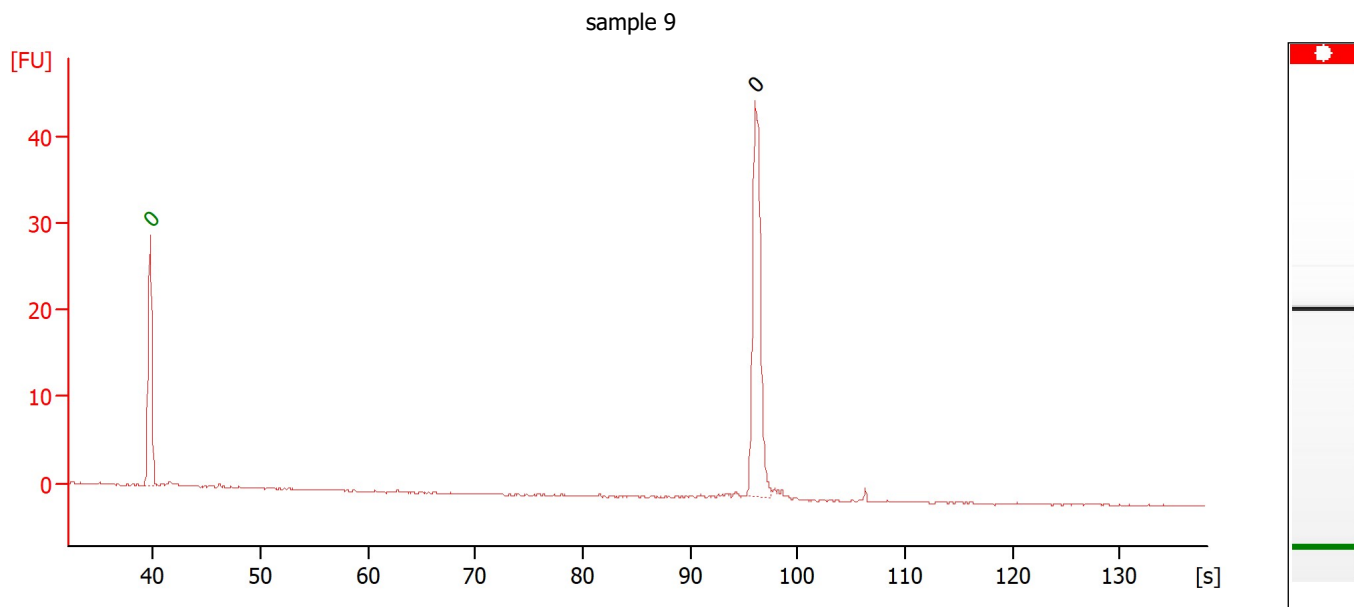
Region table for sample 8 : KGAR clean

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	288.2	79	617	18.7	695.20	1,791.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 1 Noise: 0.1

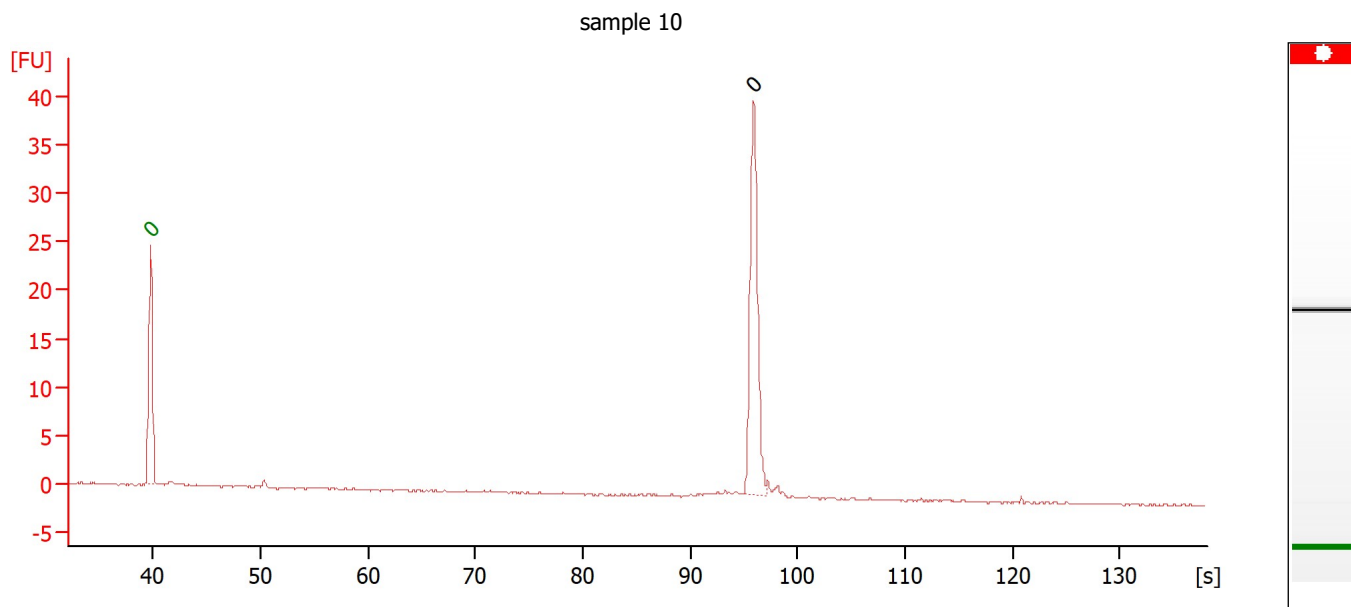
Peak table for sample 9 : sample 9

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_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Noise: 0.1

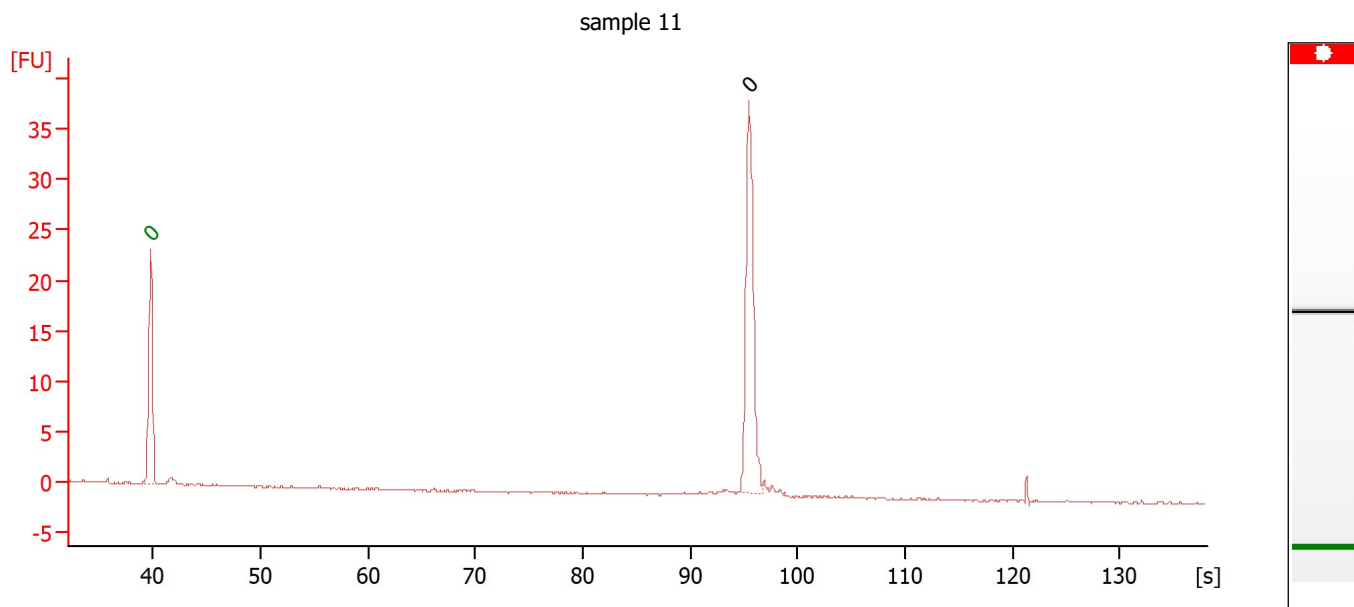
Peak table for sample 10 : sample 10

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_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Noise: 0.1

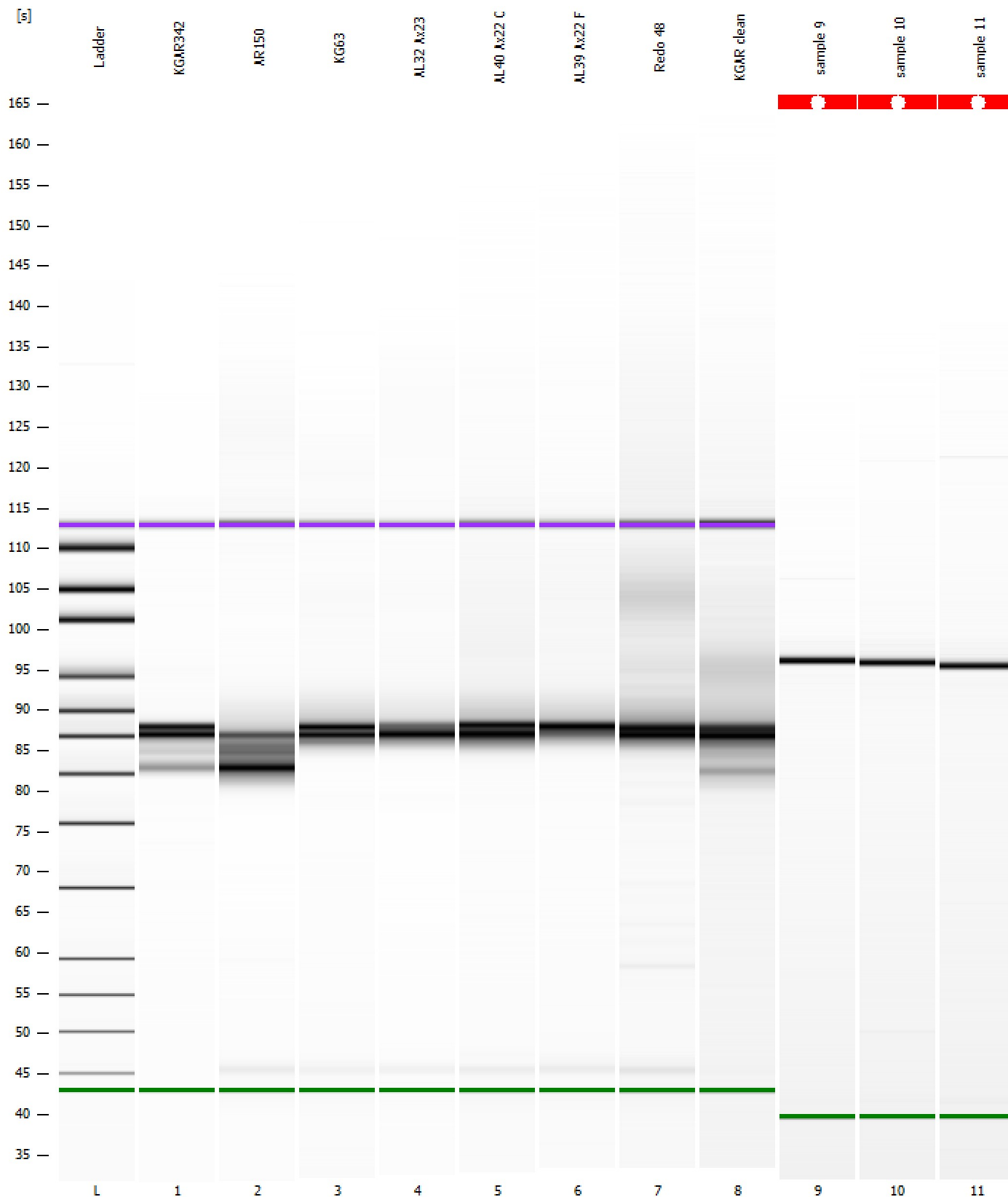
Peak table for sample 11 : sample 11

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_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
 Modified: 3/20/2025 10:49:43 AM

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		3/20/2025 10:17:35 AM	(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\2025-03-20\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad)		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/20/2025 9:36:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB