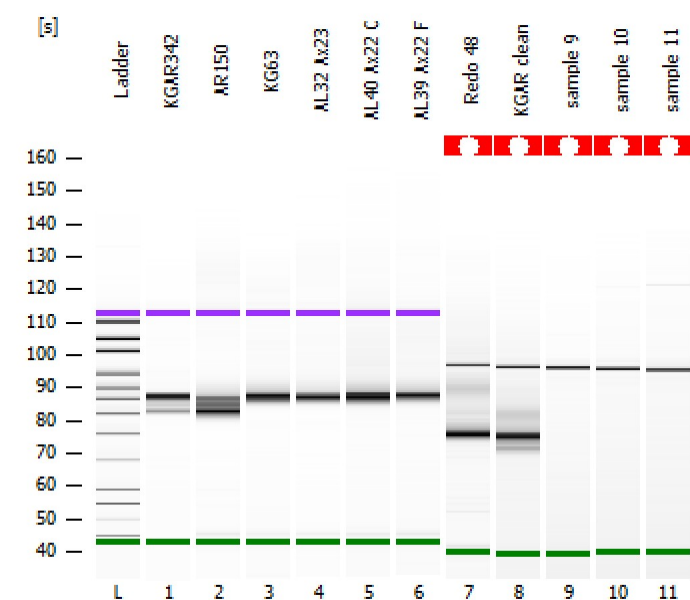


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-20_001.xad

Created: 3/20/2025 9:36:23 AM
Modified: 3/20/2025 10:38:19 AM

Electrophoresis File Run Summary



Instrument Information:

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

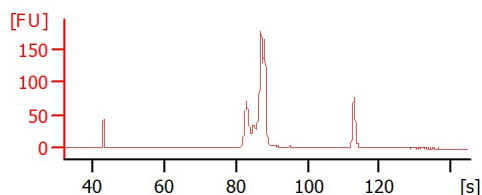
Assay Information:

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

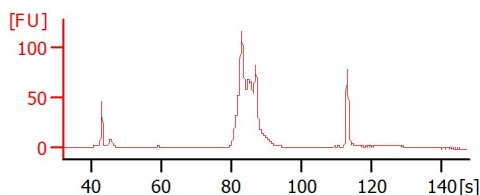
Chip Information:

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

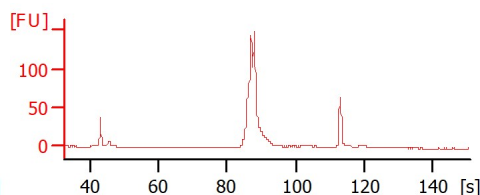
KGAR342



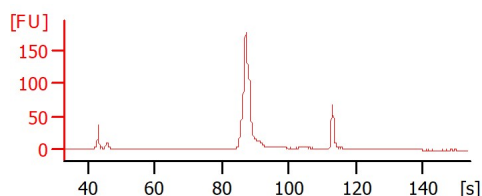
AR150



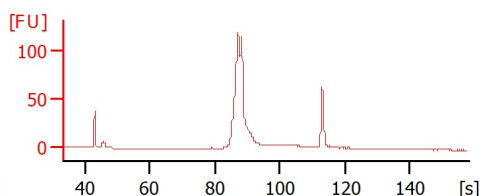
KG63



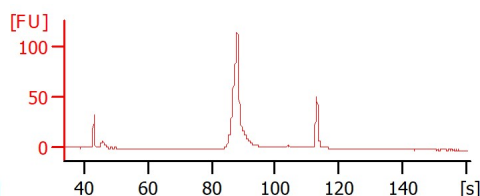
AL32 Ax23



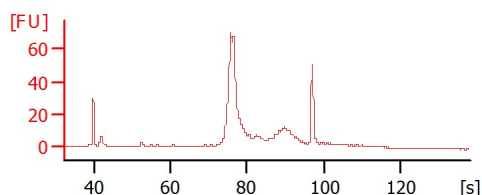
AL40 Ax22 C



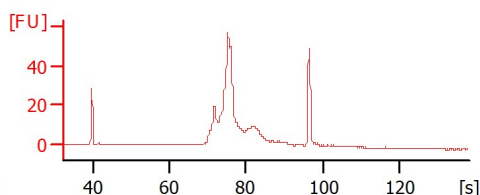
AL39 Ax22 F



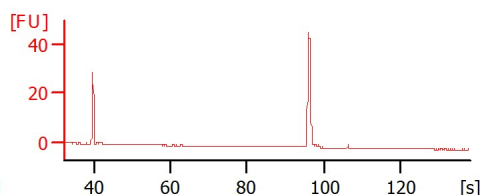
Redo 48



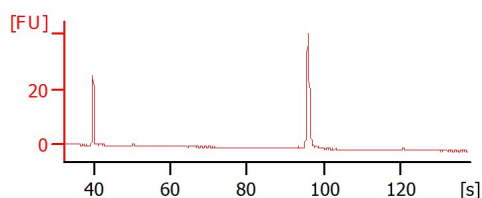
KGAR clean



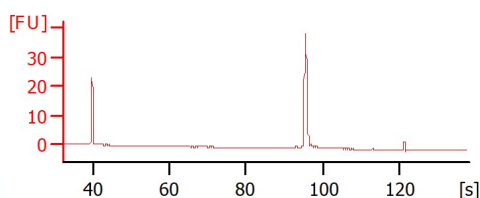
sample 9



sample 10



sample 11



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 10:38:19 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 10:38:19 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

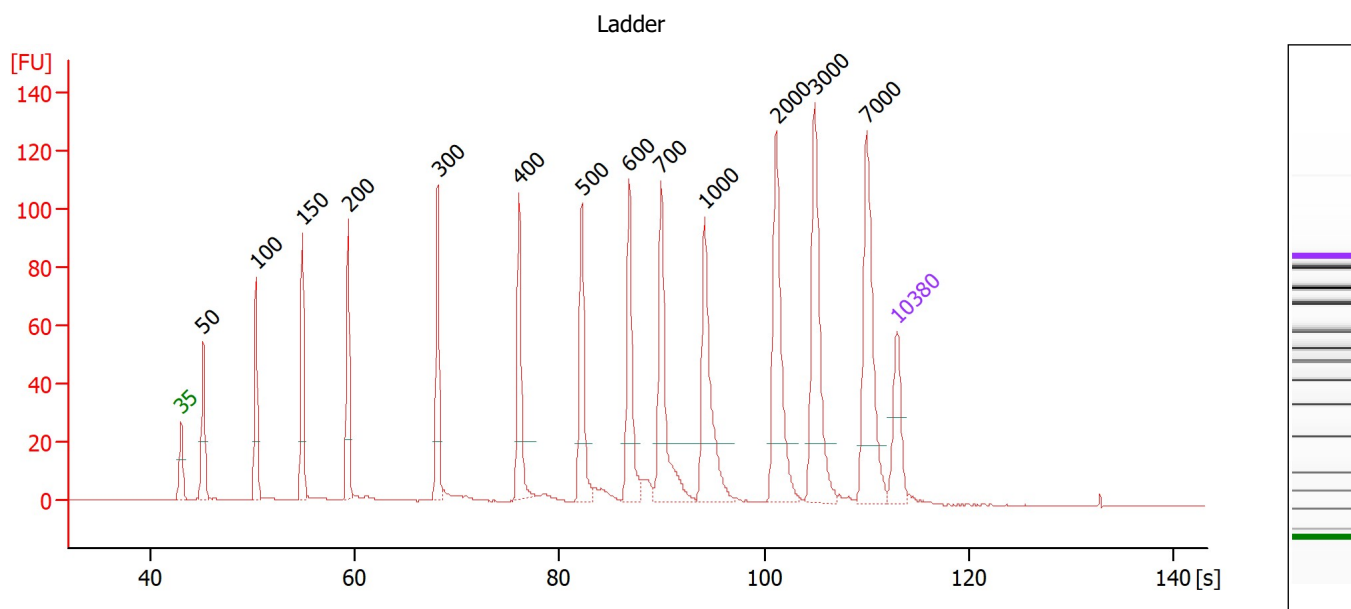
Ladder

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 10:38:19 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

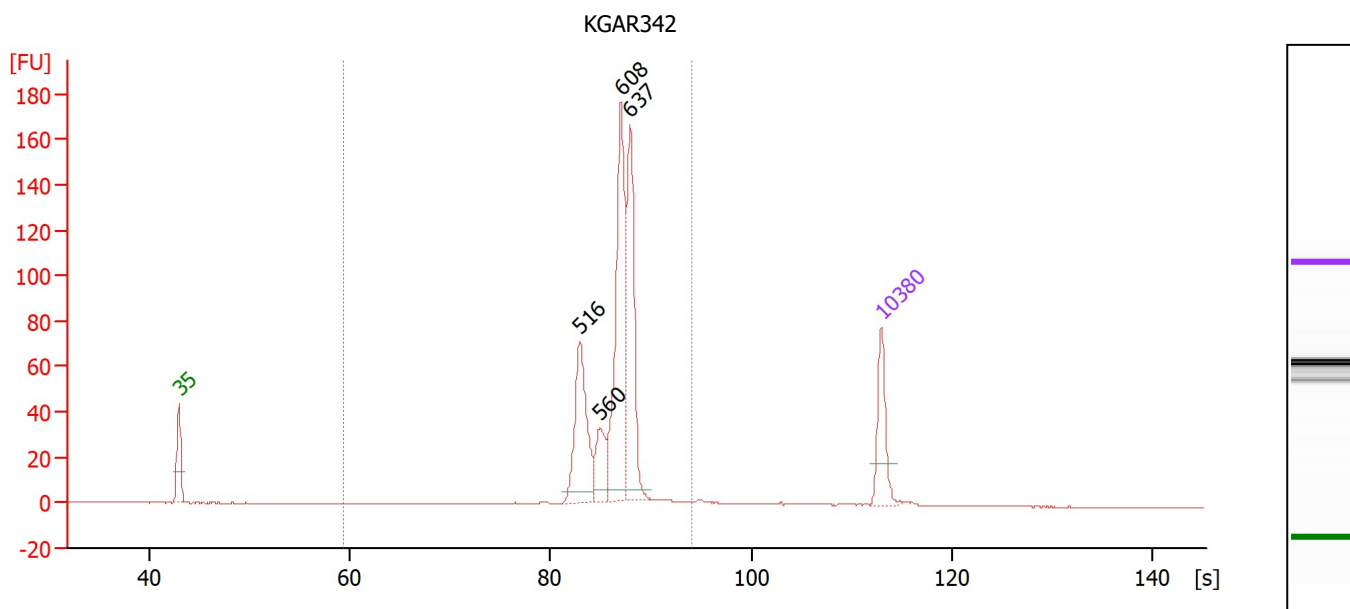
Peak table for Ladder

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 10:38:19 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

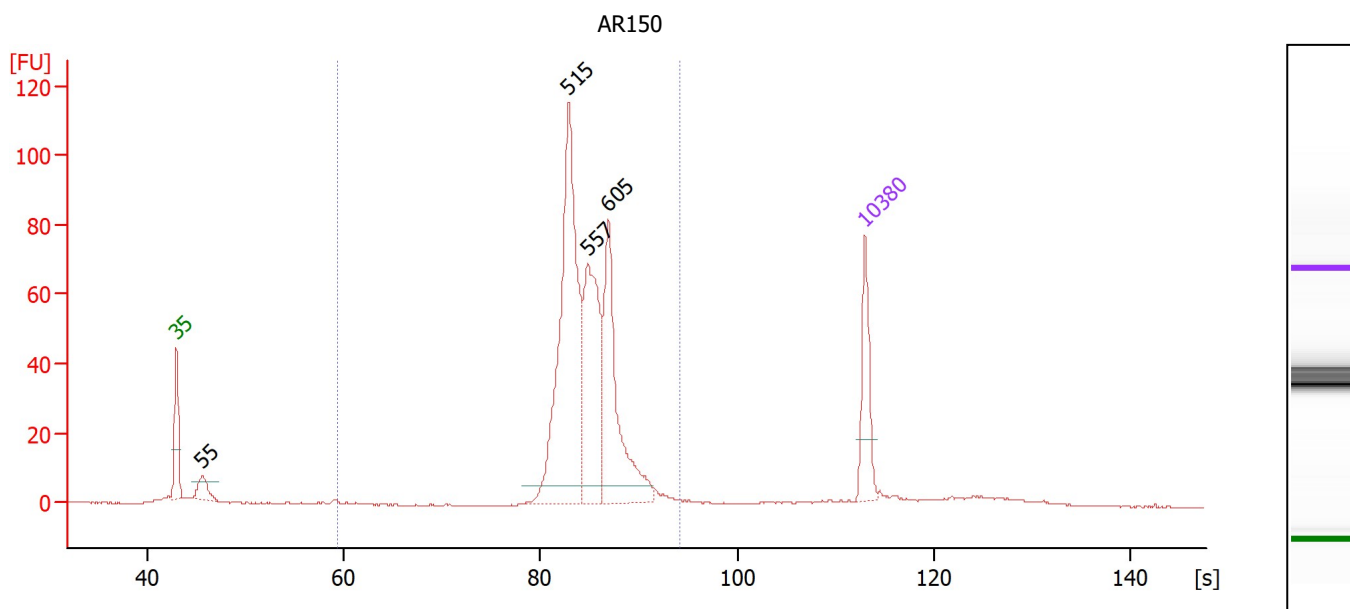
Region table for sample 1 : KGAR342

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 10:38:19 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

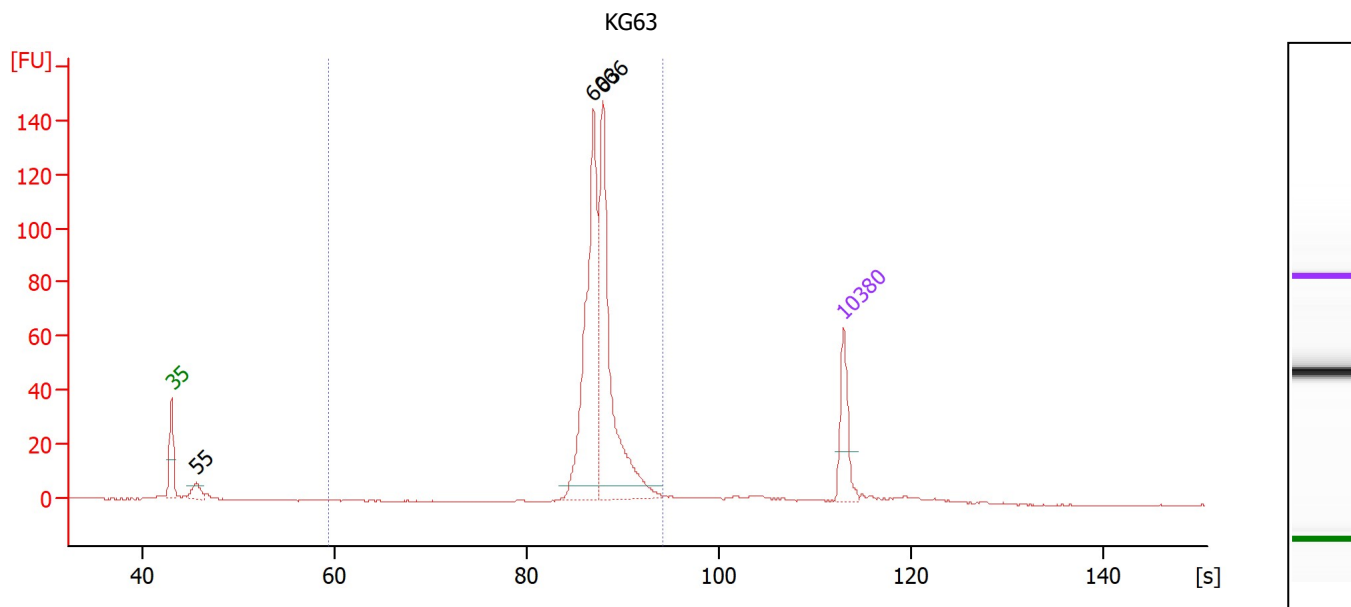
Region table for sample 2 : AR150

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 10:38:19 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

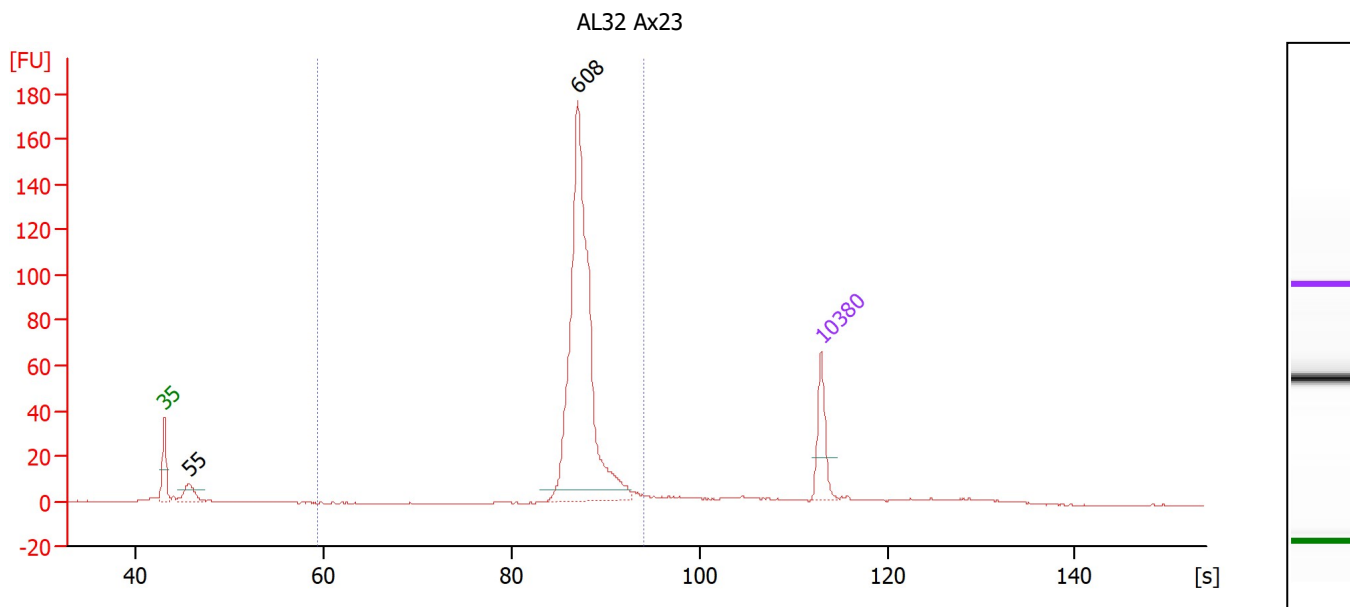
Region table for sample 3 : KG63

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 10:38:19 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

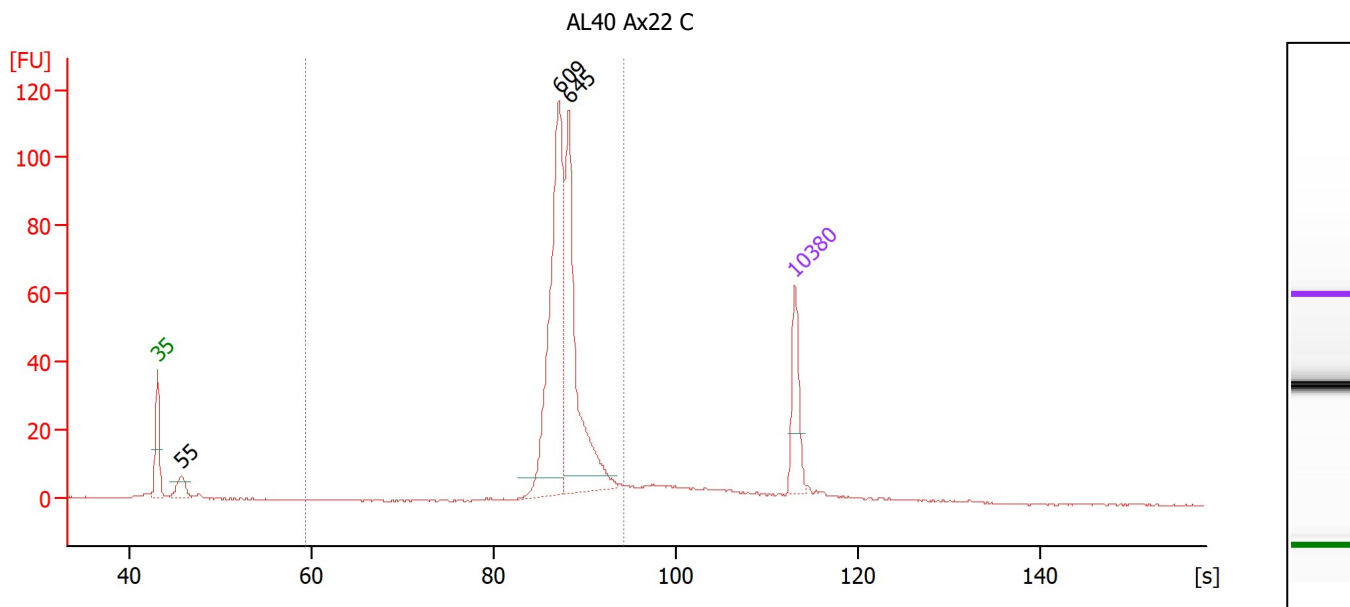
Region table for sample 4 : AL32 Ax23

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 10:38:19 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

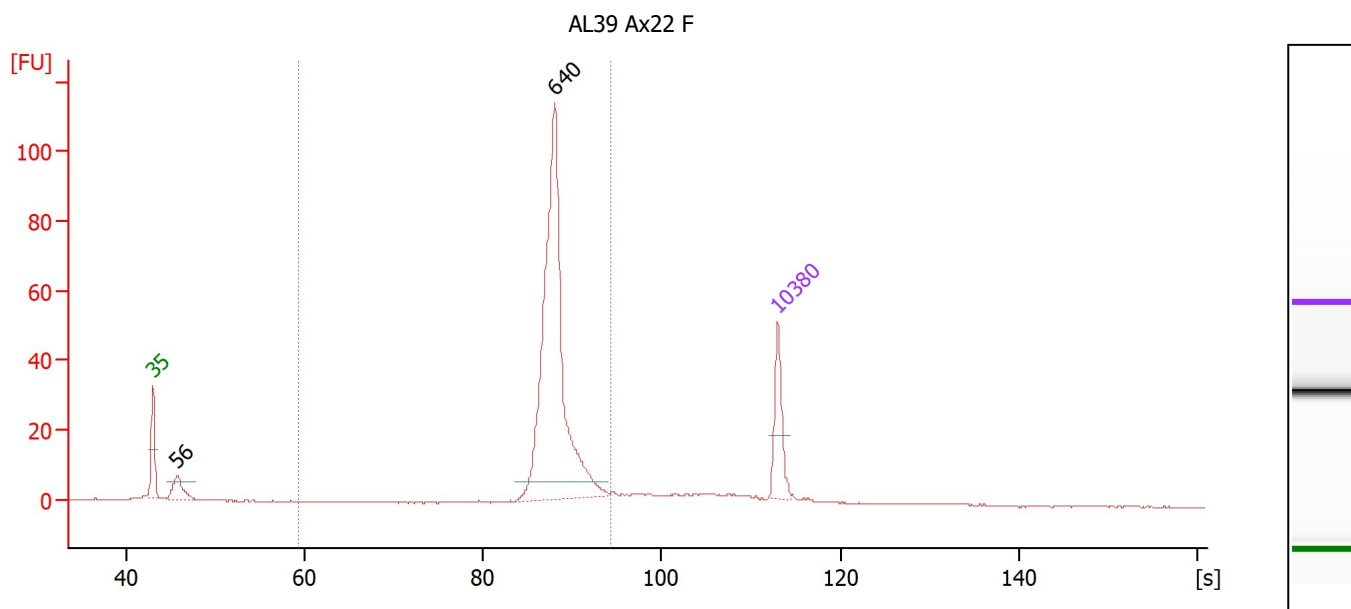
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	45.39	1,252.9	
3	609	428.63	1,065.9	
4	645	343.00	805.9	
5	10,380	75.00	10.9	Upper Marker

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 10:38:19 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

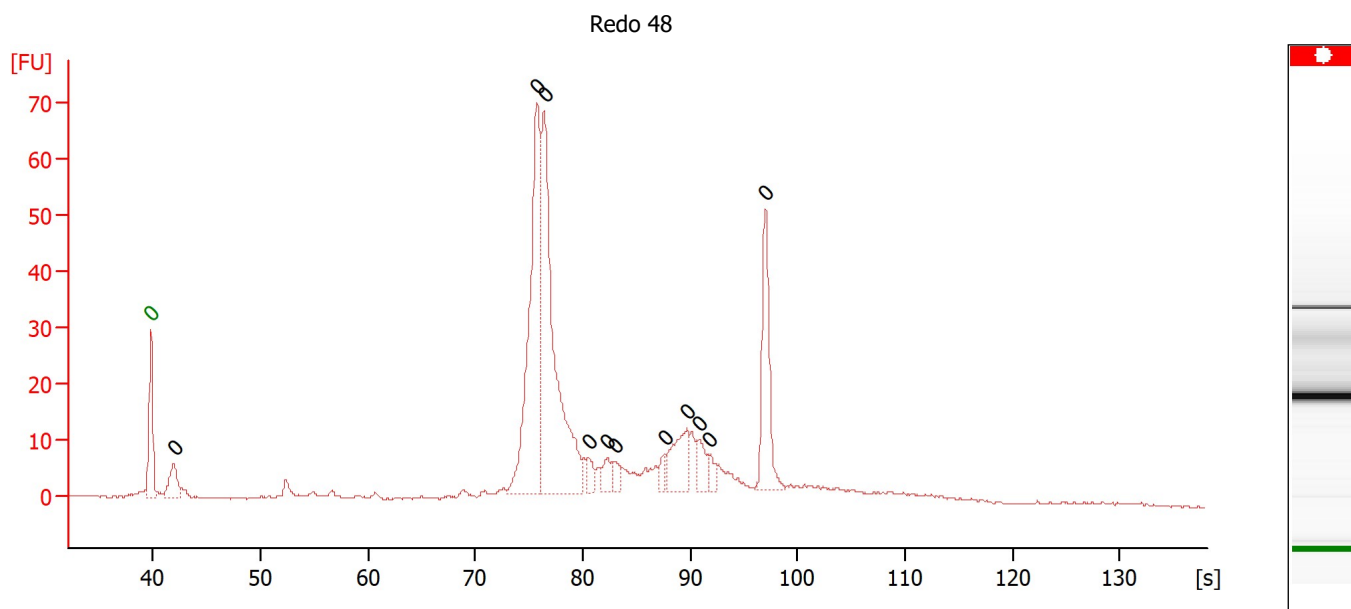
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	64.69	1,751.7	
3	640	675.75	1,600.8	
4	10,380	75.00	10.9	Upper Marker

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 10:38:19 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Redo 48**

Number of peaks found: 11

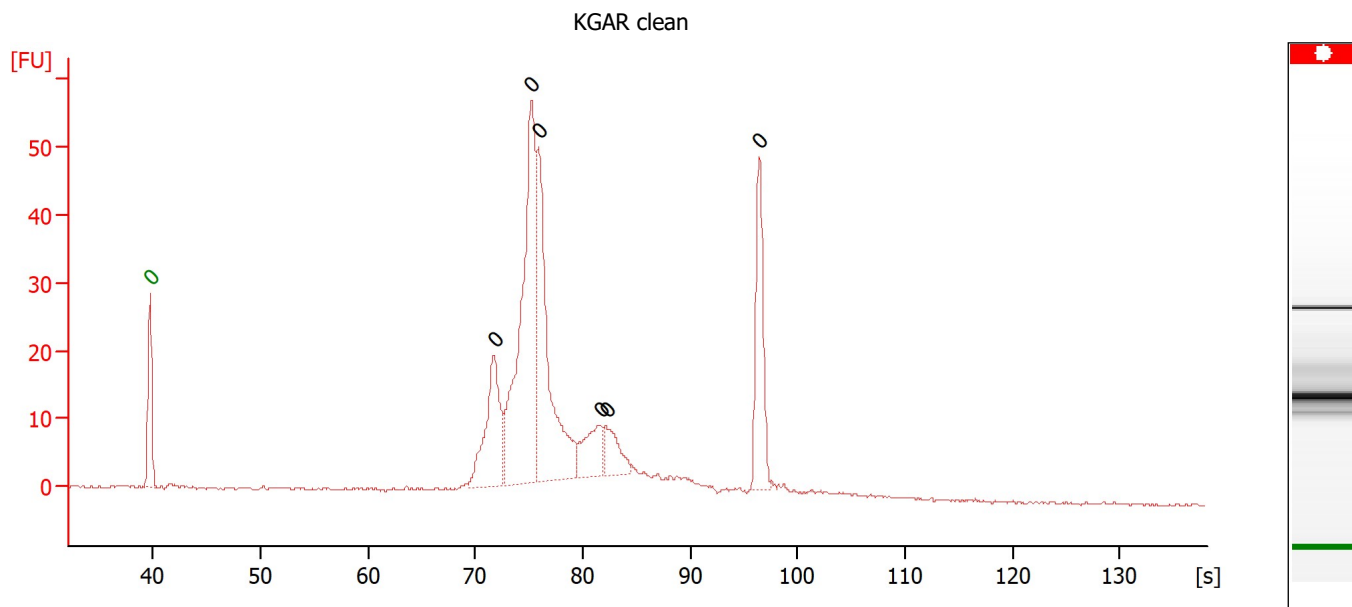
Noise: 0.2

Peak table for sample 7 : Redo 48

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	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 10:38:19 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : KGAR clean**

Number of peaks found: 6 Noise: 0.2

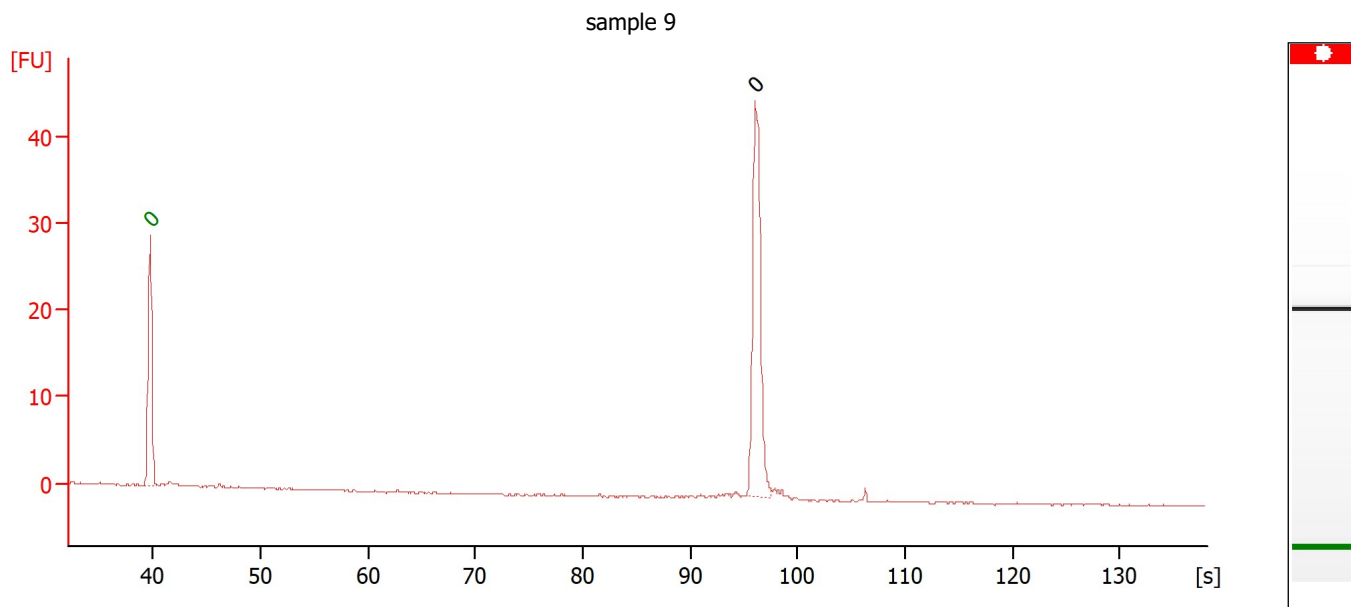
Peak table for sample 8 : KGAR clean

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	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 10:38:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 1 Noise: 0.1

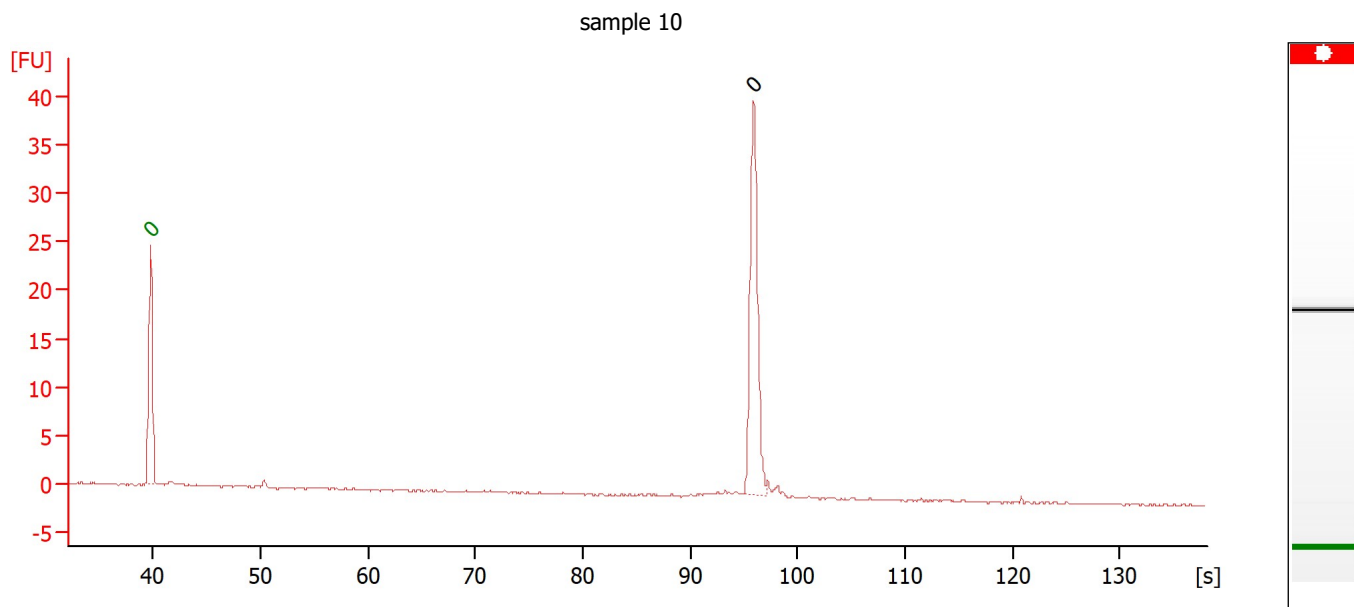
Peak table for sample 9 : sample 9

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 10:38:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Noise: 0.1

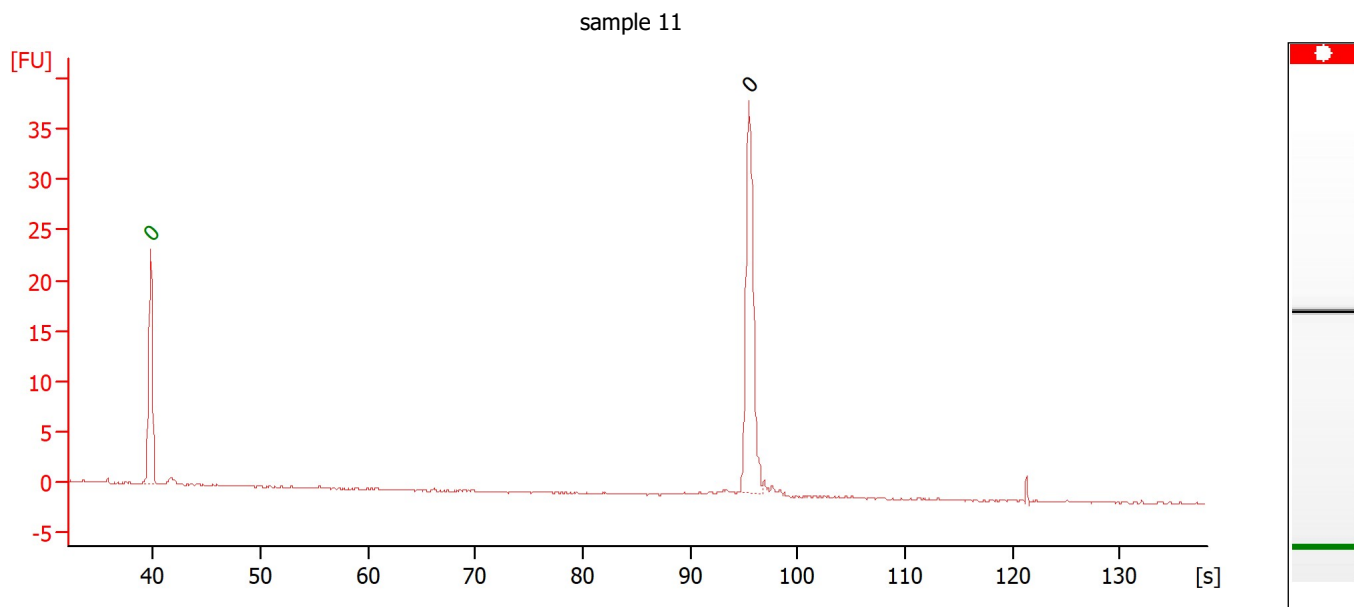
Peak table for sample 10 : sample 10

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 10:38:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Noise: 0.1

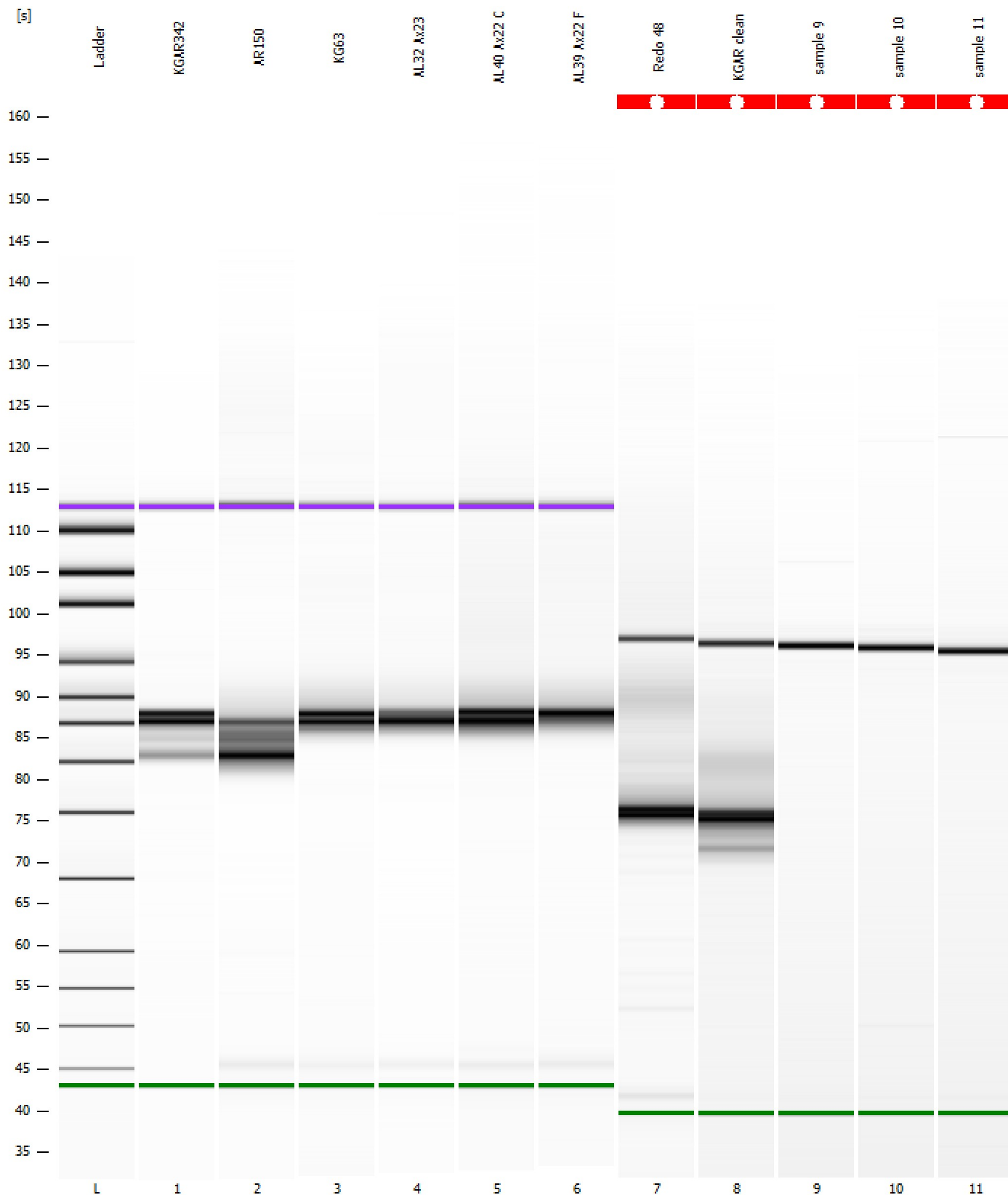
Peak table for sample 11 : sample 11

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 10:38:19 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 10:38:19 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