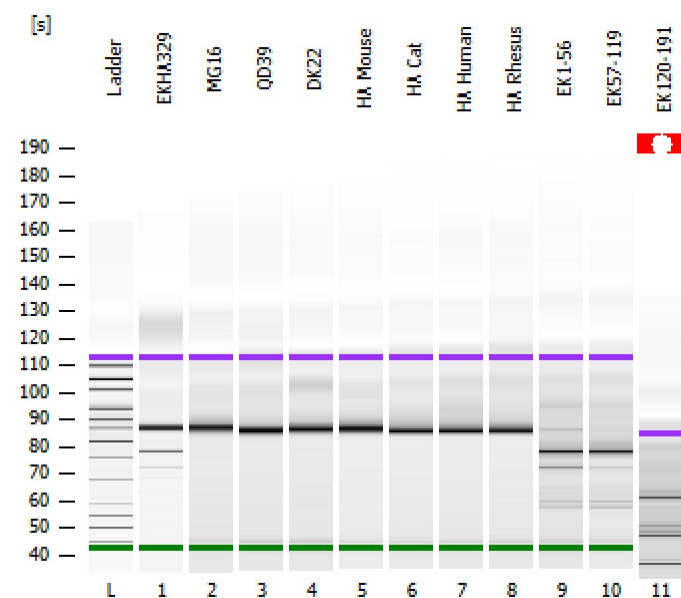


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
Modified: 9/25/2025 9:44:22 AM

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

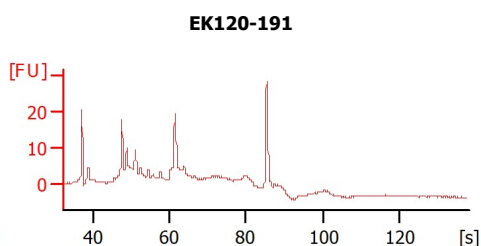
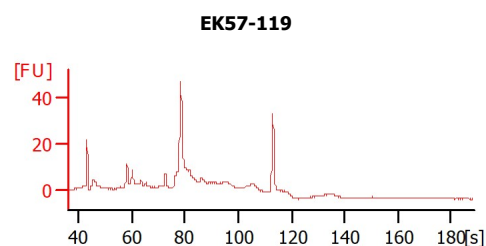
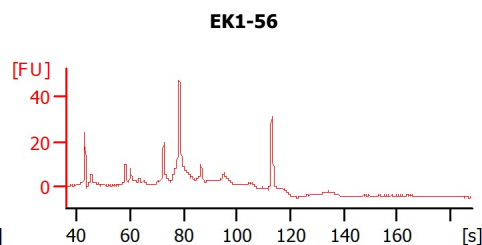
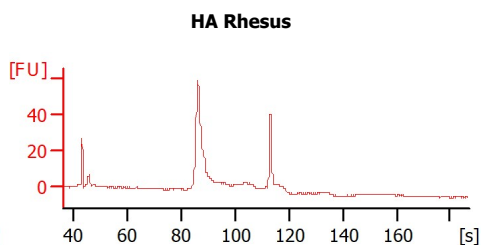
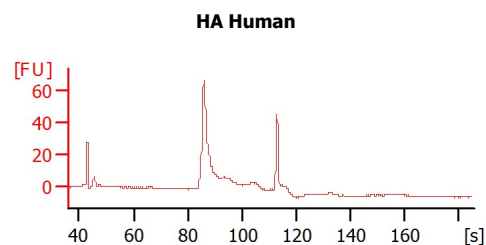
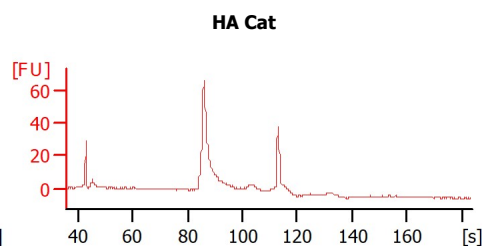
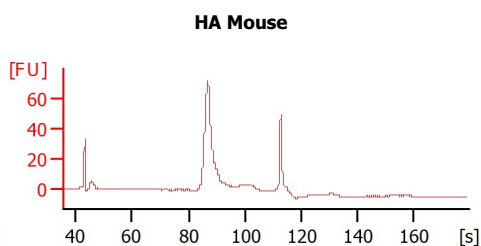
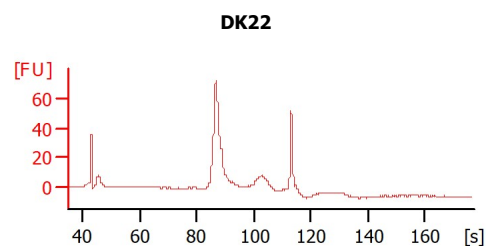
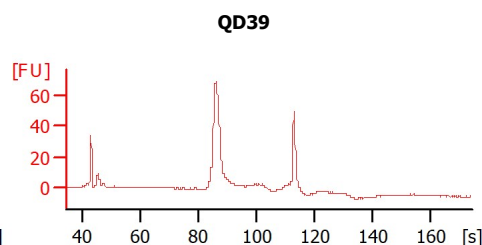
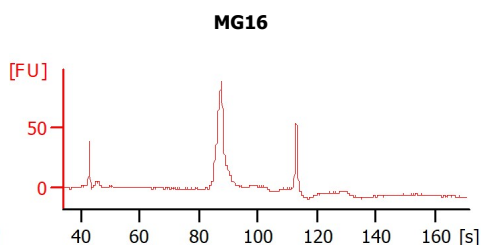
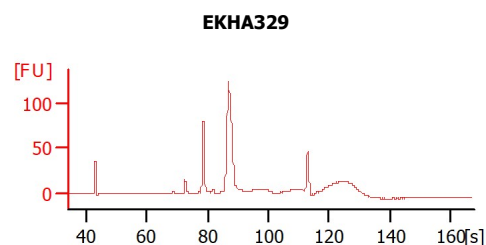
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
Modified: 9/25/2025 9:44:22 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
EKHA329		☐	✓			
MG16		☐	✓			
QD39		☐	✓			
DK22		☐	✓			
HA Mouse		☐	✓			
HA Cat		☐	✓			
HA Human		☐	✓			
HA Rhesus		☐	✓			
EK1-56		☐	✓			
EK57-119		☐	✓			
EK120-191		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 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] : 20
 Area Threshold : 0.1
 Width Threshold [s] : 0.6
 Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

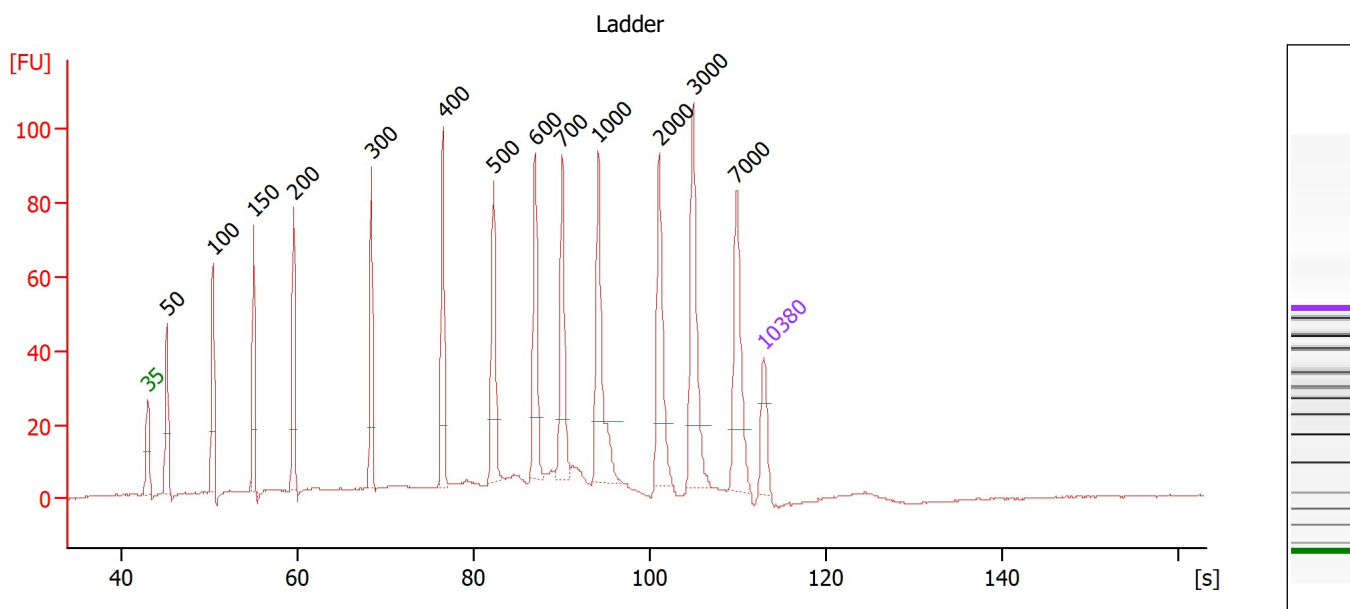
Ladder

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_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

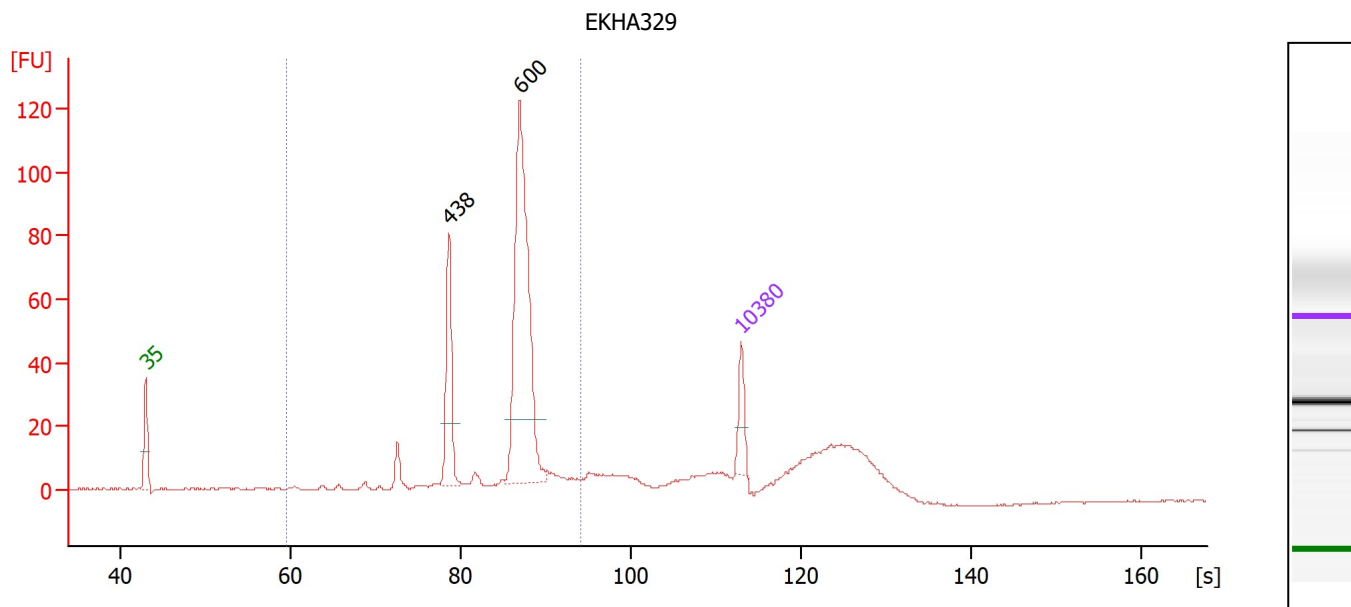
Peak table for Ladder

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_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EKHA329

Number of peaks found: 2 Corr. Area 1: 417.4
Noise: 0.2

Peak table for sample 1 : EKHA329

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	438	270.27	935.7	
3	600	836.35	2,112.5	
4	10,380	75.00	10.9	Upper Marker

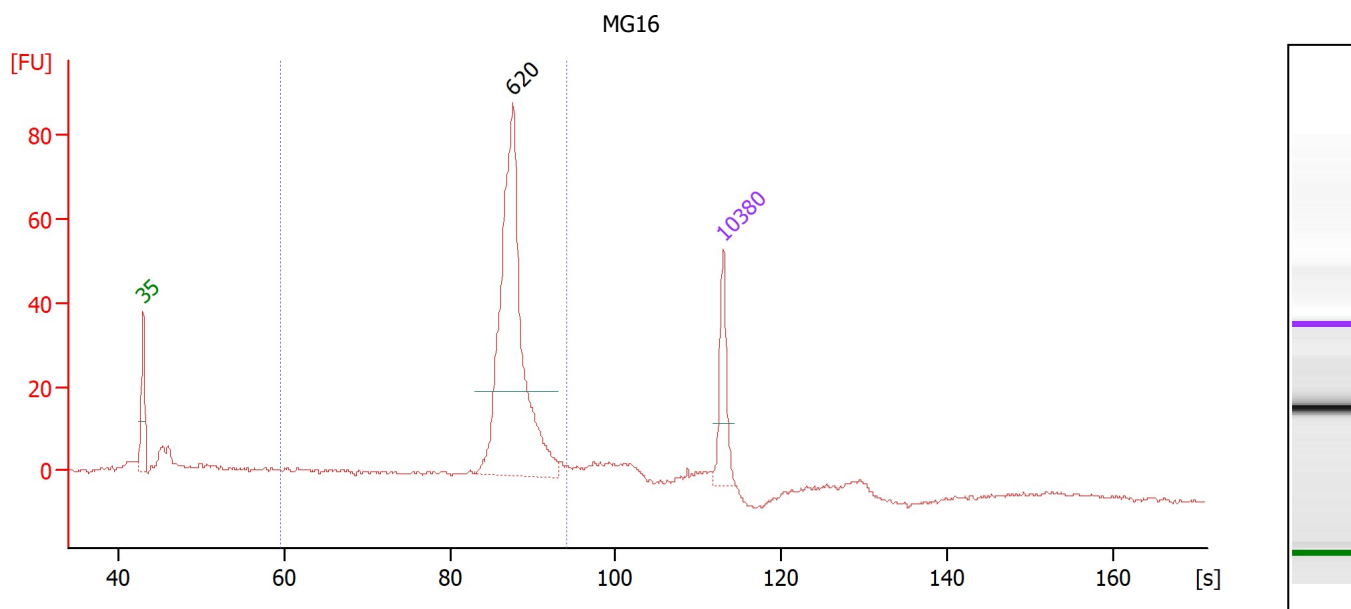
Region table for sample 1 : EKHA329

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	417.4	63	565	21.5	1,547.80	4,547.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : MG16

Number of peaks found: 1 Corr. Area 1: 346.3
 Noise: 0.4

Peak table for sample 2 : MG16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	620	569.40	1,392.1	
3	10,380	75.00	10.9	Upper Marker

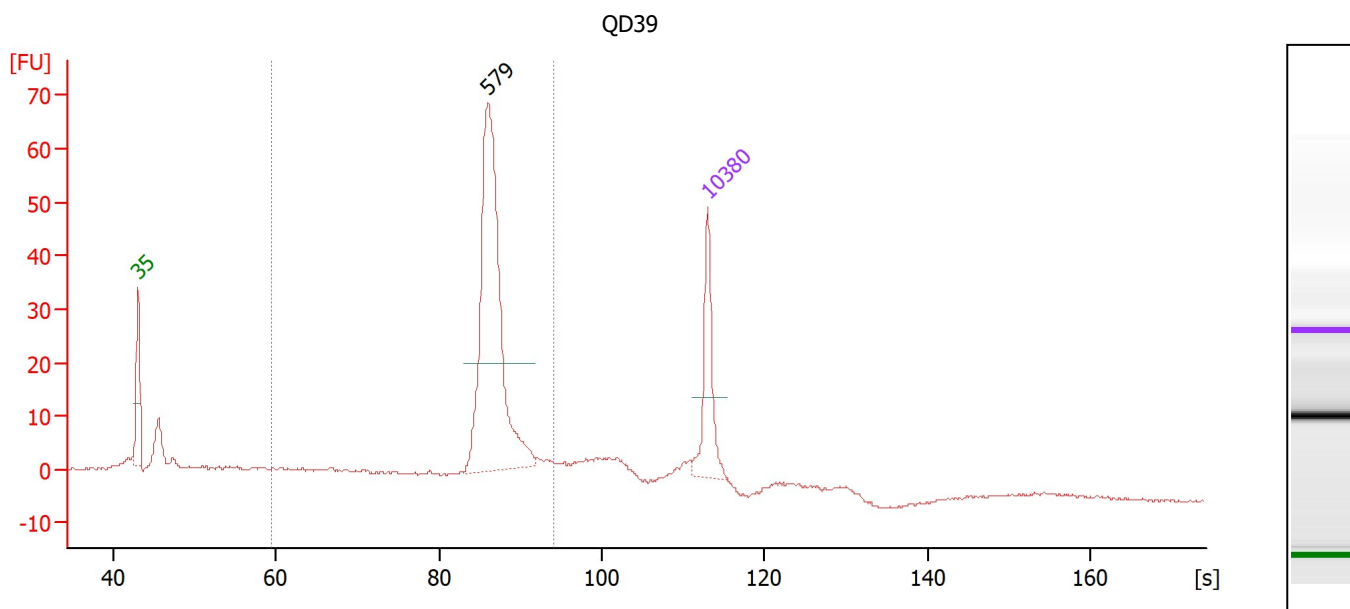
Region table for sample 2 : MG16

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	346.3	70	599	21.1	752.45	2,135.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QD39

Number of peaks found: 1 Corr. Area 1: 266.0
 Noise: 0.2

Peak table for sample 3 : QD39

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	579	401.34	1,049.7	
3	10,380	75.00	10.9	Upper Marker

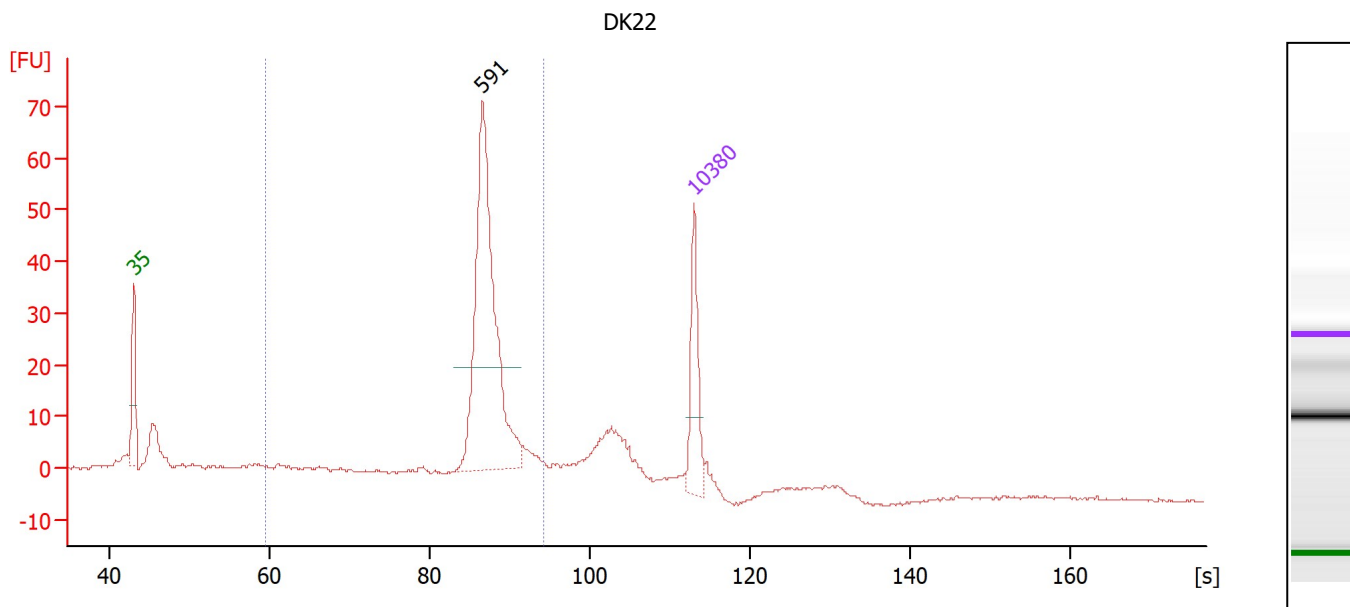
Region table for sample 3 : QD39

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	266.0	69	584	20.6	546.03	1,572.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DK22

Number of peaks found: 1 Corr. Area 1: 274.7
 Noise: 0.2

Peak table for sample 4 : DK22

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	591	402.17	1,031.7	
3	10,380	75.00	10.9	Upper Marker

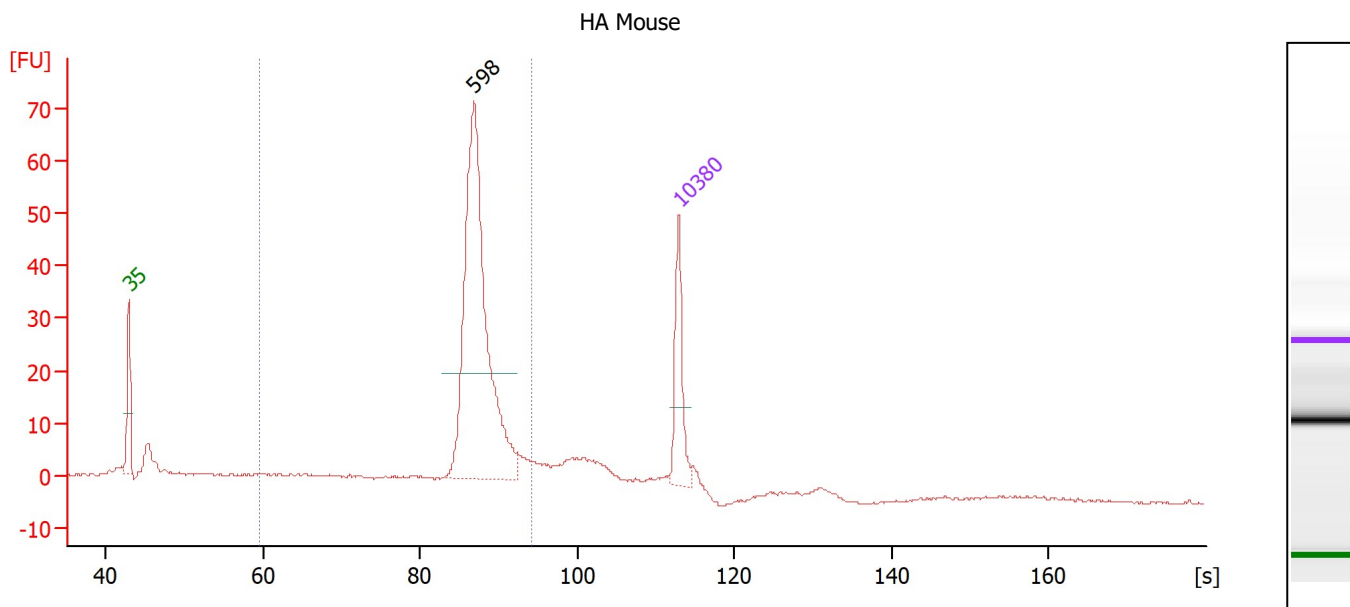
Region table for sample 4 : DK22

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	274.7	65	595	21.5	564.72	1,619.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HA Mouse

Number of peaks found: 1 Corr. Area 1: 287.4
 Noise: 0.2

Peak table for sample 5 : HA Mouse

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	598	502.80	1,274.8	
3	10,380	75.00	10.9	Upper Marker

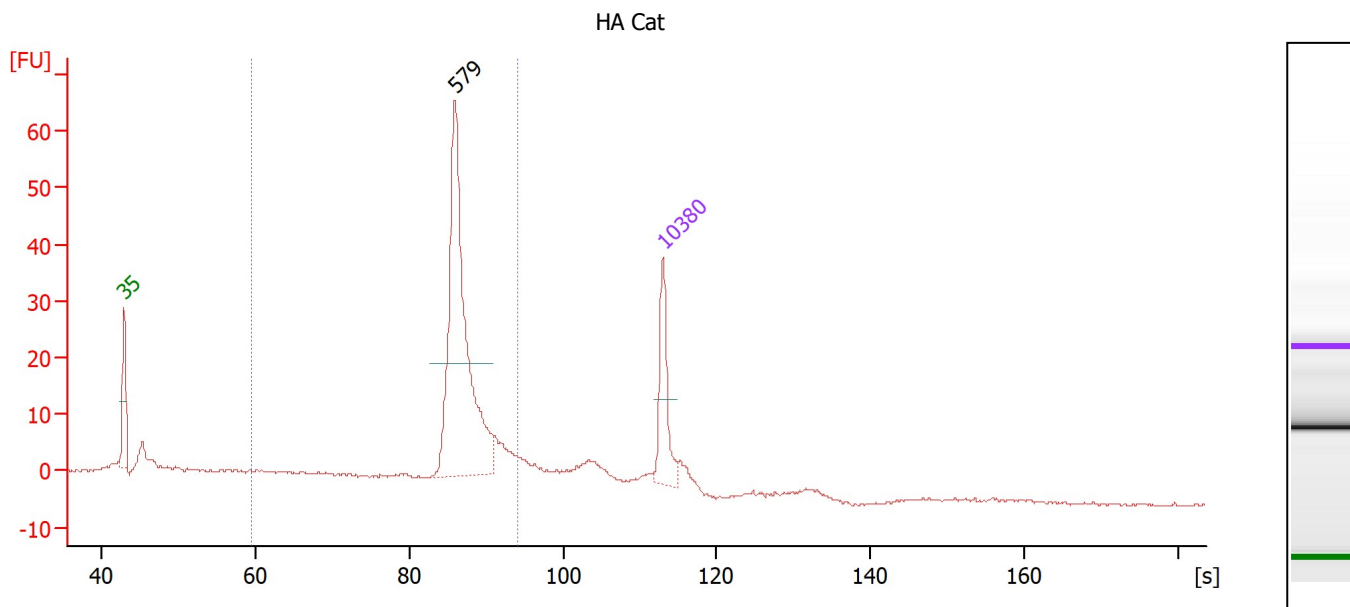
Region table for sample 5 : HA Mouse

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	287.4	74	608	19.4	628.80	1,714.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HA Cat

Number of peaks found: 1 Corr. Area 1: 221.6
 Noise: 0.3

Peak table for sample 6 : HA Cat

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	579	435.77	1,140.8	
3	10,380	75.00	10.9	Upper Marker

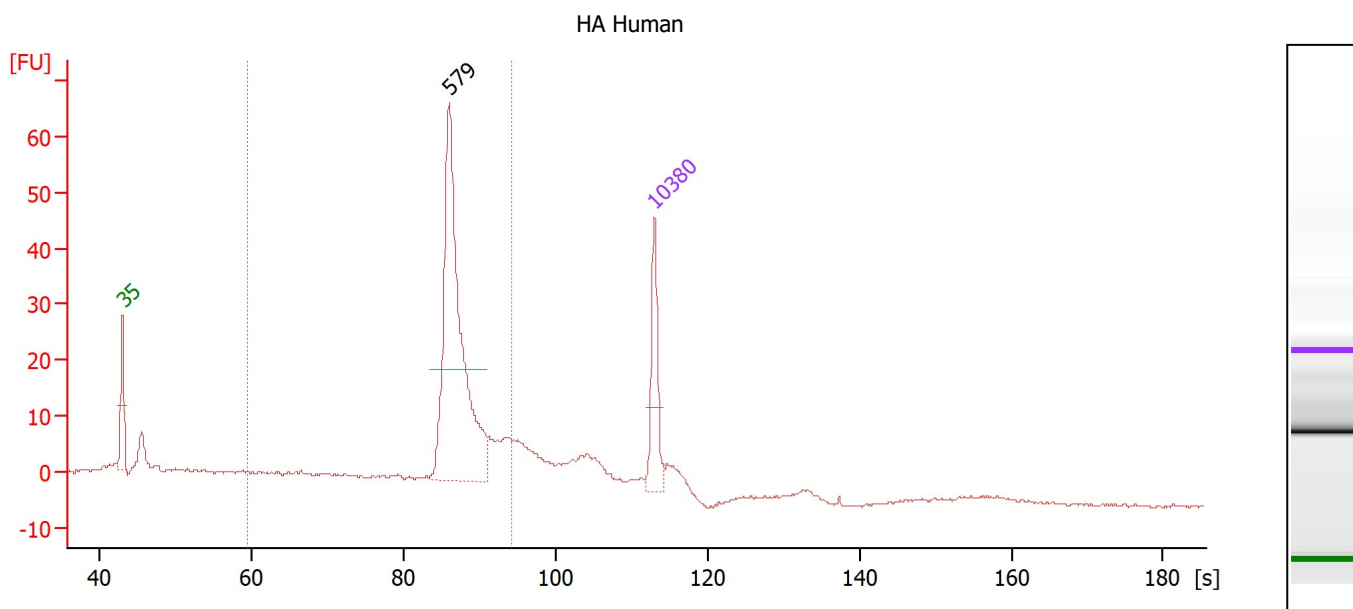
Region table for sample 6 : HA Cat

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	221.6	72	608	20.2	565.13	1,540.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HA Human

Number of peaks found: 1 Corr. Area 1: 221.4
 Noise: 0.3

Peak table for sample 7 : HA Human

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	579	443.59	1,161.3	
3	10,380	75.00	10.9	Upper Marker

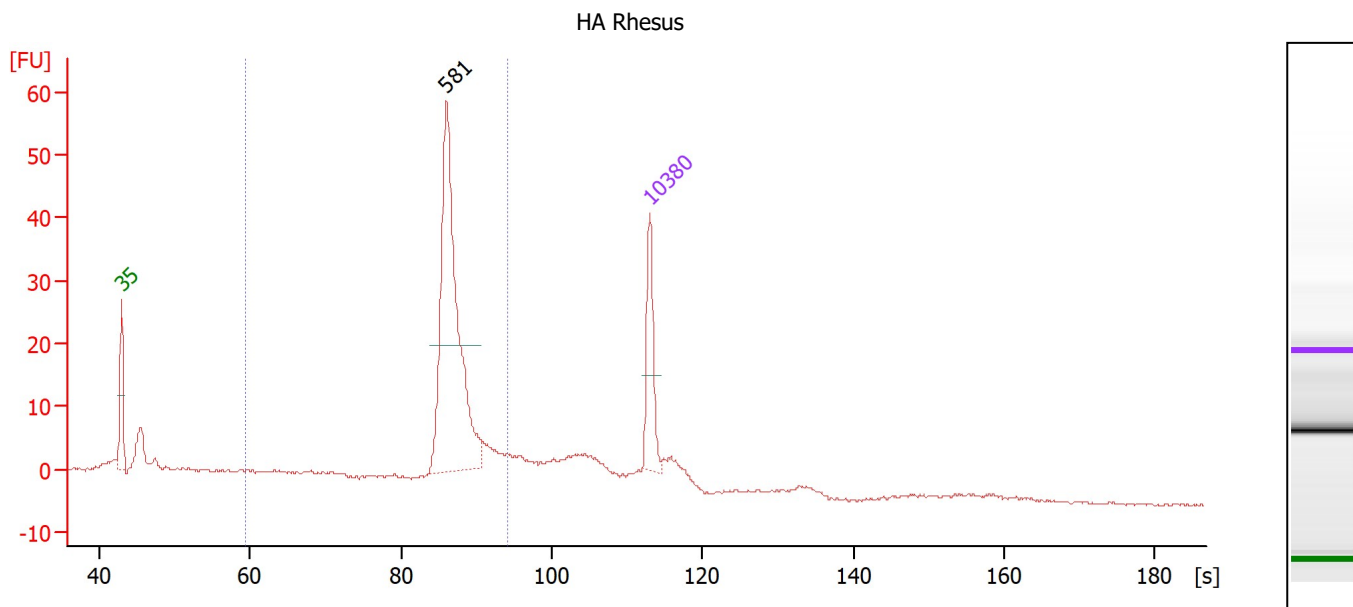
Region table for sample 7 : HA Human

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	221.4	68	621	20.2	545.44	1,439.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HA Rhesus

Number of peaks found: 1 Corr. Area 1: 193.7
 Noise: 0.2

Peak table for sample 8 : HA Rhesus

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	581	431.25	1,125.2	
3	10,380	75.00	10.9	Upper Marker

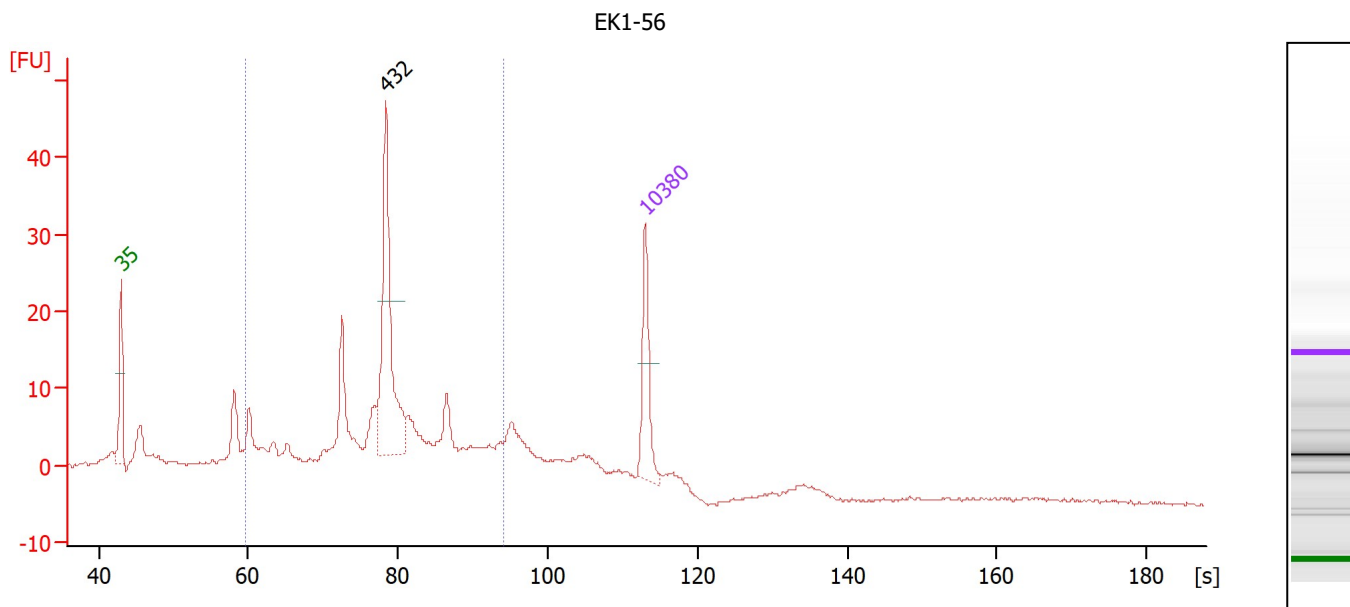
Region table for sample 8 : HA Rhesus

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	193.7	65	611	18.8	560.95	1,501.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : EK1-56

Number of peaks found: 1 Corr. Area 1: 249.4
 Noise: 0.2

Peak table for sample 9 : EK1-56

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	432	261.73	917.3	
3	10,380	75.00	10.9	Upper Marker

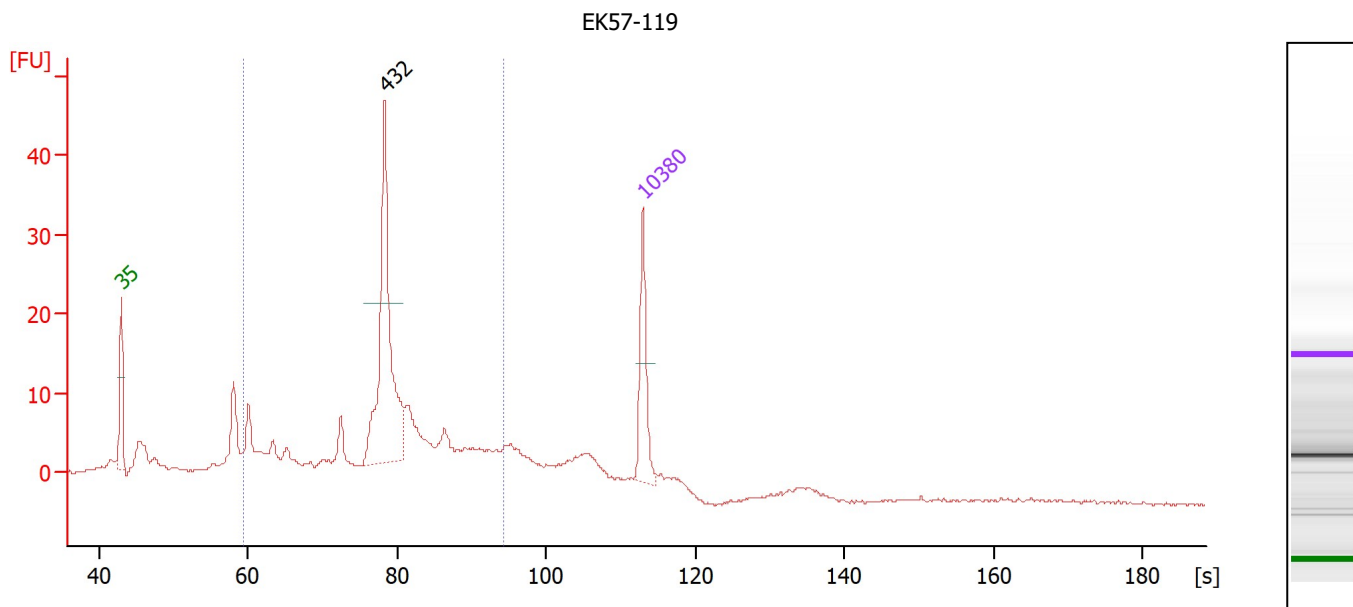
Region table for sample 9 : EK1-56

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	249.4	68	460	35.0	981.54	3,824.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : EK57-119

Number of peaks found: 1 Corr. Area 1: 230.3
Noise: 0.2

Peak table for sample 10 : EK57-119

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	432	310.85	1,089.4	
3	10,380	75.00	10.9	Upper Marker

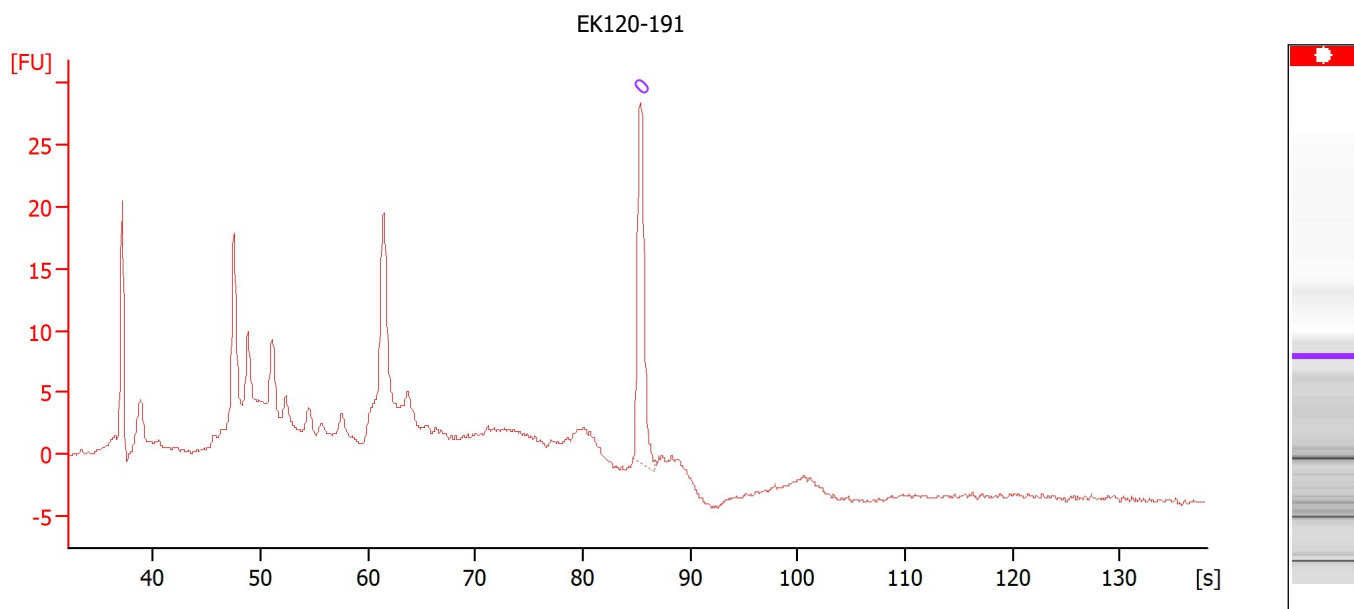
Region table for sample 10 : EK57-119

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	230.3	68	465	34.7	907.56	3,525.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : EK120-191

Number of peaks found: 0 Noise: 0.2

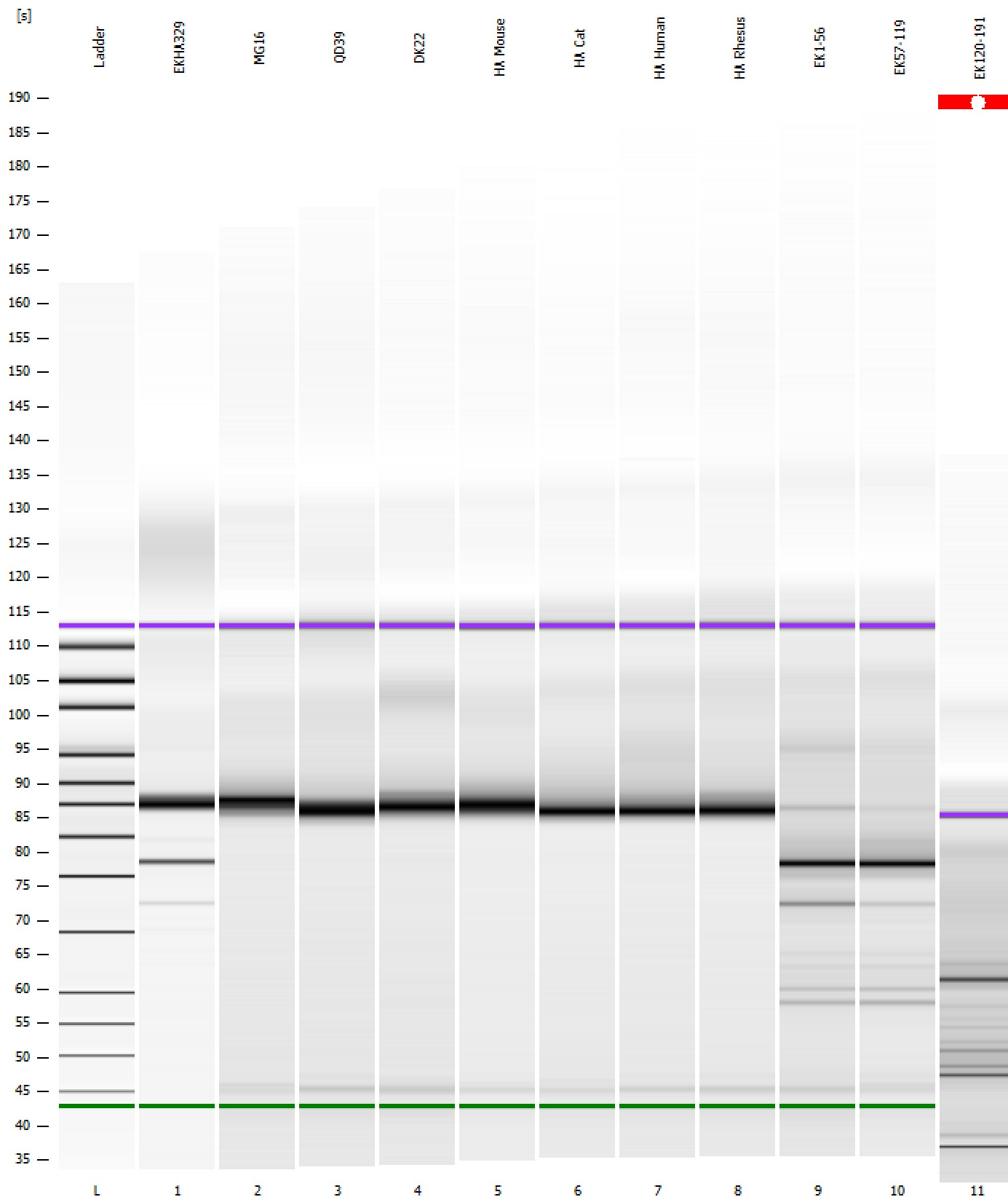
Peak table for sample 11 : EK120-191

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad

Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad
 Created: 9/25/2025 8:43:26 AM
 Modified: 9/25/2025 9:44:22 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		9/25/2025 9:24:48 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\2025-09-25\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-25_001.xad)		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/25/2025 8:43:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB