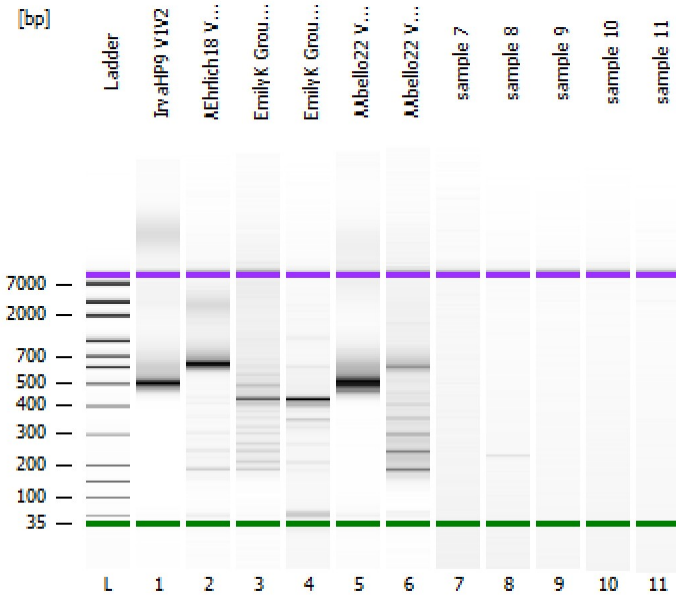


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electrophoresis File Run Summary



Instrument Information:

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

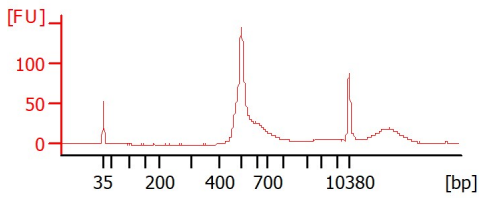
Assay Information:

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

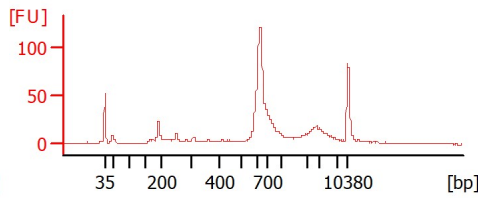
Chip Information:

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

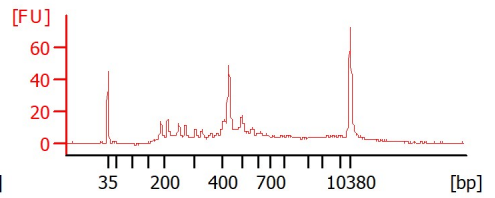
IrvaHP9 V1V2



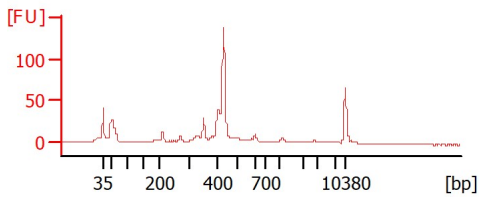
AEhrlich18 V3V4



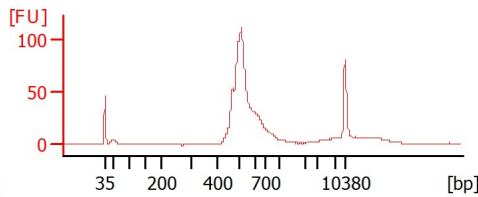
EmilyK Groups A-E V4 test



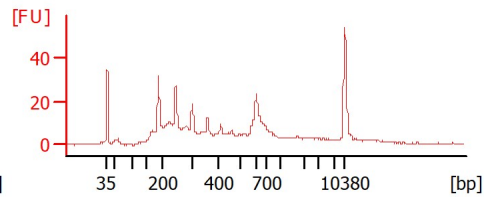
EmilyK Groups F-G V4 test



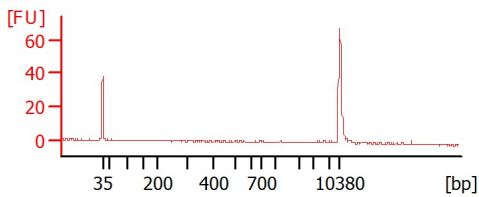
AAbello22 V1V2 rerun



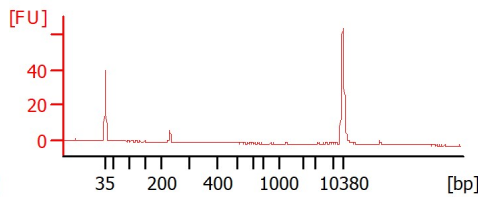
AAbello22 V3V4 rerun



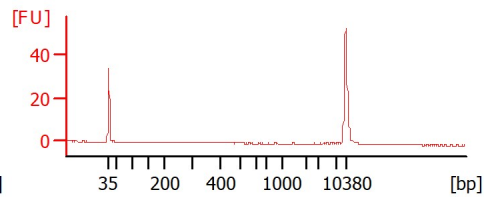
sample 7



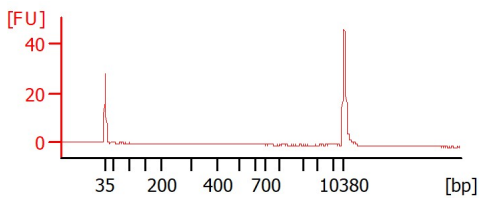
sample 8



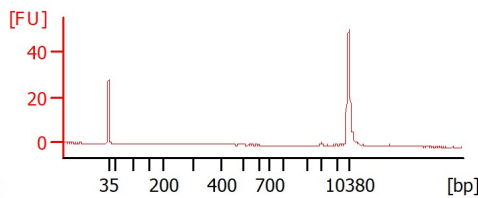
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
IrvHP9 V1V2		<input type="checkbox"/>		✓		
AEhrlich18 V3V4		<input type="checkbox"/>		✓		
EmilyK Groups A-E V4 test		<input type="checkbox"/>		✓		
EmilyK Groups F-G V4 test		<input type="checkbox"/>		✓		
AAbello22 V1V2 rerun		<input type="checkbox"/>		✓		
AAbello22 V3V4 rerun		<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_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 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

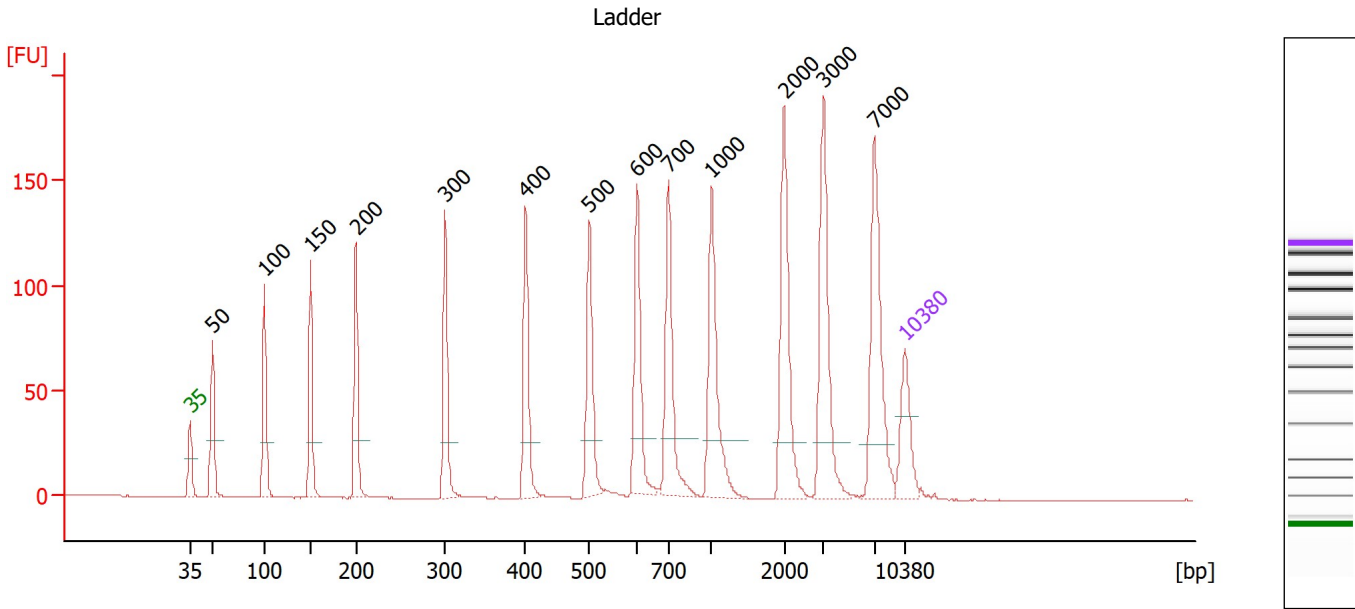
Ladder

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_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

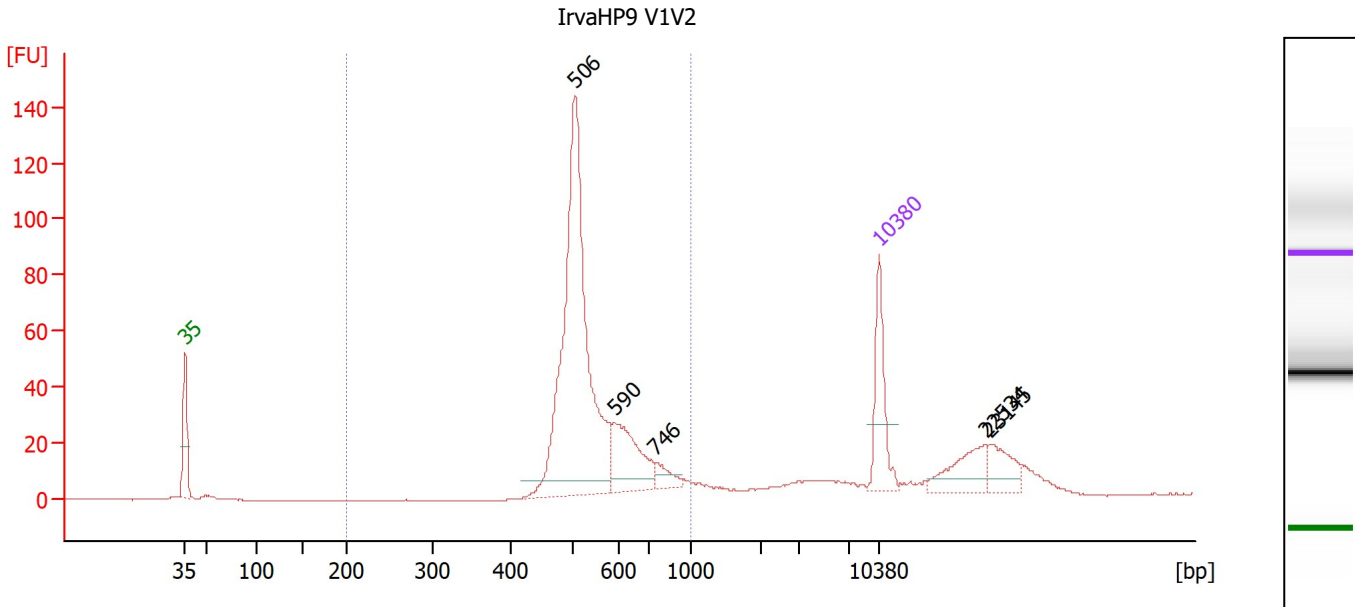
Peak table for Ladder

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_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : IrvaHP9 V1V2

Number of peaks found: 5 Corr. Area 1: 574.5
 Noise: 0.1

Peak table for sample 1 : IrvaHP9 V1V2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	506	619.77	1,857.4	
3	590	111.26	285.7	
4	746	22.79	46.3	
5	10,380	75.00	10.9	Upper Marker
6	22,534	0.00	0.0	
7	23,145	0.00	0.0	

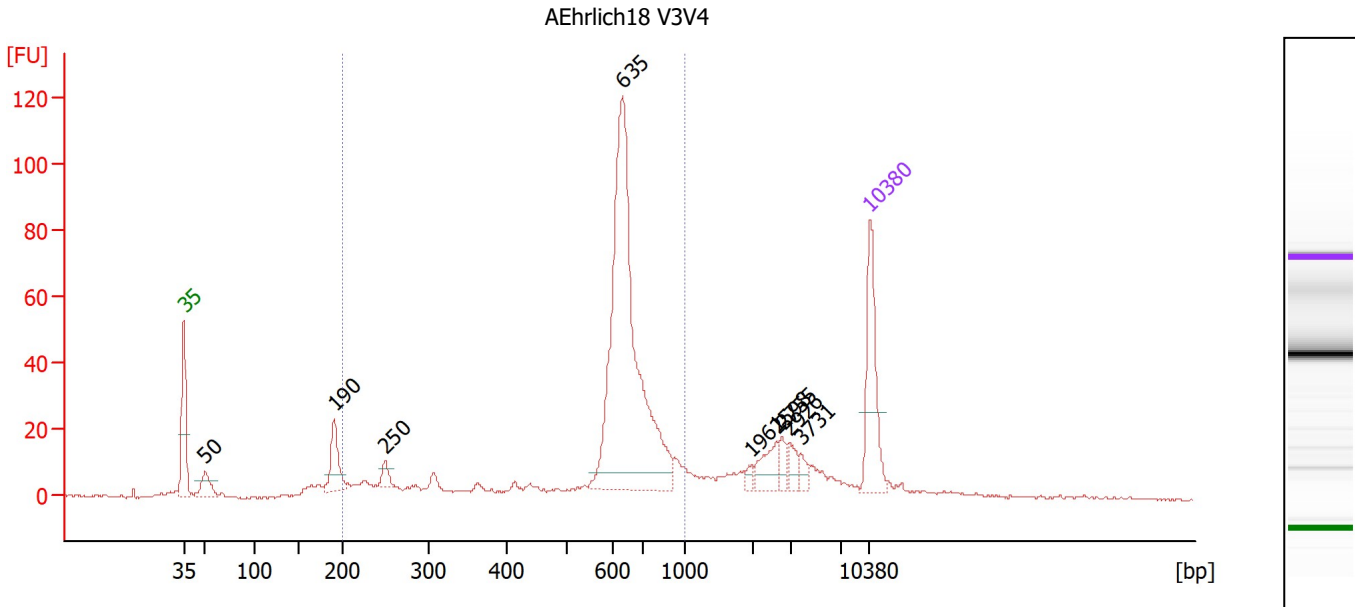
Region table for sample 1 : IrvaHP9 V1V2

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	574.5	74	553	17.3	784.07	2,210.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AEhrlich18 V3V4

Number of peaks found: 9 Corr. Area 1: 507.6
 Noise: 0.3

Peak table for sample 2 : AEhrlich18 V3V4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	35.44	1,076.3	
3	190	55.67	444.2	
4	250	14.34	87.0	
5	635	463.57	1,106.3	
6	1,961	6.56	5.1	
7	2,598	26.84	15.7	
8	2,755	11.32	6.2	
9	2,926	14.28	7.4	
10	3,731	10.04	4.1	
11	10,380	75.00	10.9	Upper Marker

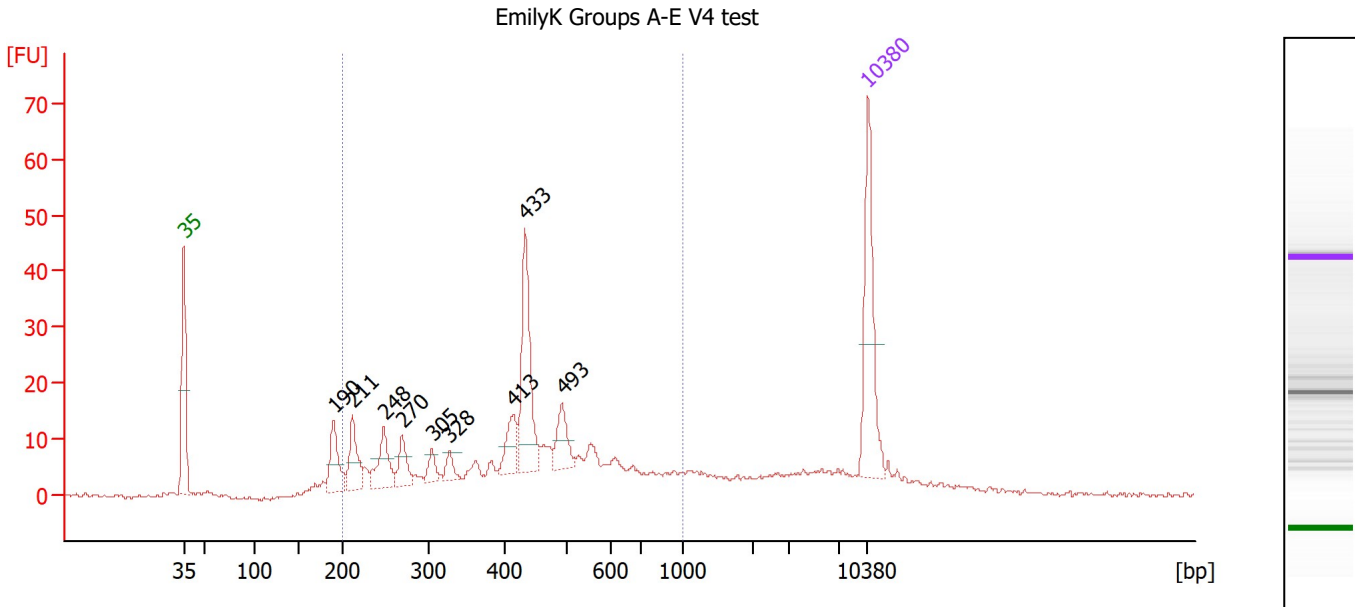
Region table for sample 2 : AEhrlich18 V3V4

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	507.6	65	608	26.3	690.49	2,076.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : EmilyK Groups A-E V4 test

Number of peaks found: 9 Corr. Area 1: 316.6
 Noise: 0.3

Peak table for sample 3 : EmilyK Groups A-E V4 test

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	190	45.53	363.7	
3	211	43.50	311.8	
4	248	41.77	254.9	
5	270	24.98	140.4	
6	305	13.90	69.0	
7	328	12.04	55.6	
8	413	29.09	106.7	
9	433	95.02	332.6	
10	493	30.02	92.3	
11	10,380	75.00	10.9	Upper Marker

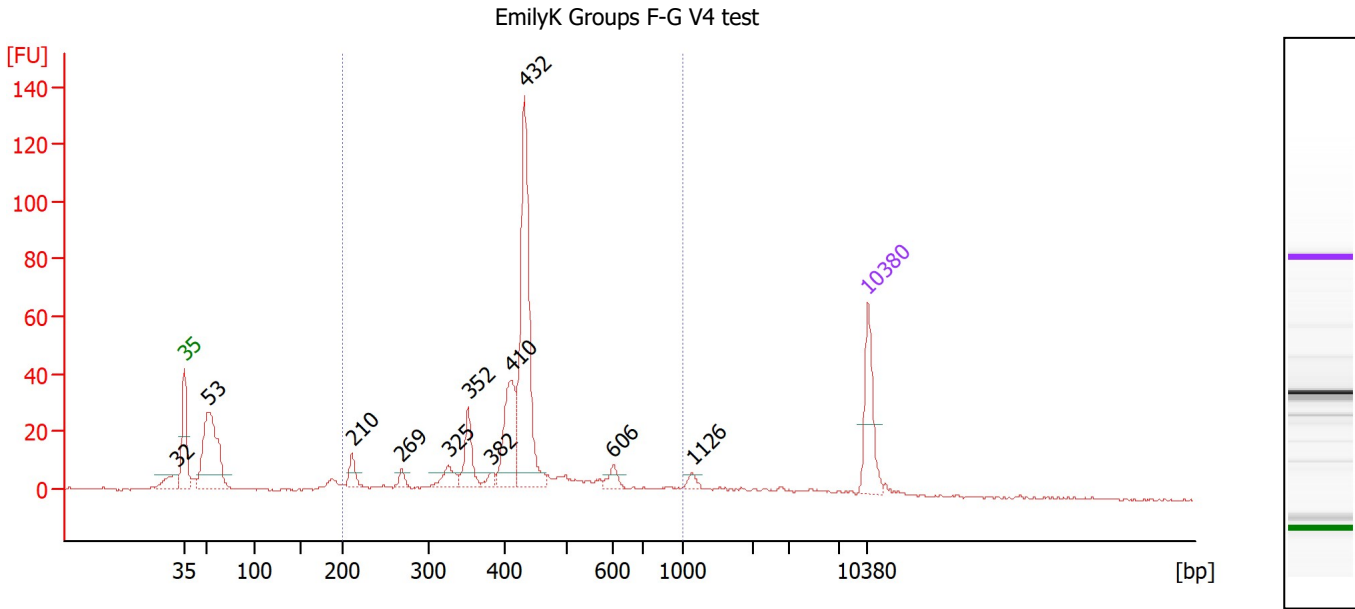
Region table for sample 3 : EmilyK Groups A-E V4 test

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	316.6	75	439	35.8	592.08	2,457.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : EmilyK Groups F-G V4 test

Number of peaks found: 11 Corr. Area 1: 433.3
 Noise: 0.4

Peak table for sample 4 : EmilyK Groups F-G V4 test

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	53	261.95	7,469.5	
4	210	31.13	224.3	
5	269	12.36	69.7	
6	325	29.92	139.3	
7	352	63.73	274.6	
8	382	12.35	49.0	
9	410	124.41	460.0	
10	432	331.92	1,165.3	
11	606	17.13	42.8	
12	1,126	8.30	11.2	
13	10,380	75.00	10.9	Upper Marker

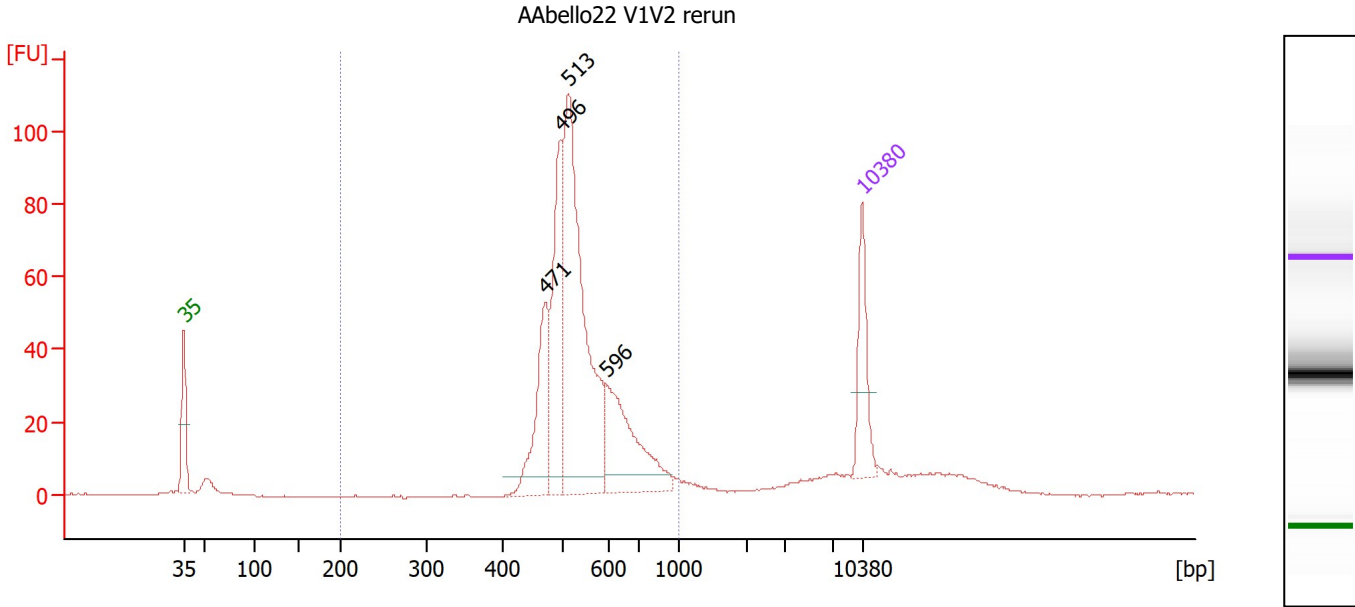
Region table for sample 4 : EmilyK Groups F-G V4 test

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	433.3	67	429	26.2	849.52	3,295.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AAbello22 V1V2 rerun

Number of peaks found: 4 Corr. Area 1: 646.3
 Noise: 0.1

Peak table for sample 5 : AAbello22 V1V2 rerun

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	471	156.56	503.6	
3	496	202.50	619.1	
4	513	493.37	1,457.1	
5	596	173.03	440.0	
6	10,380	75.00	10.9	Upper Marker

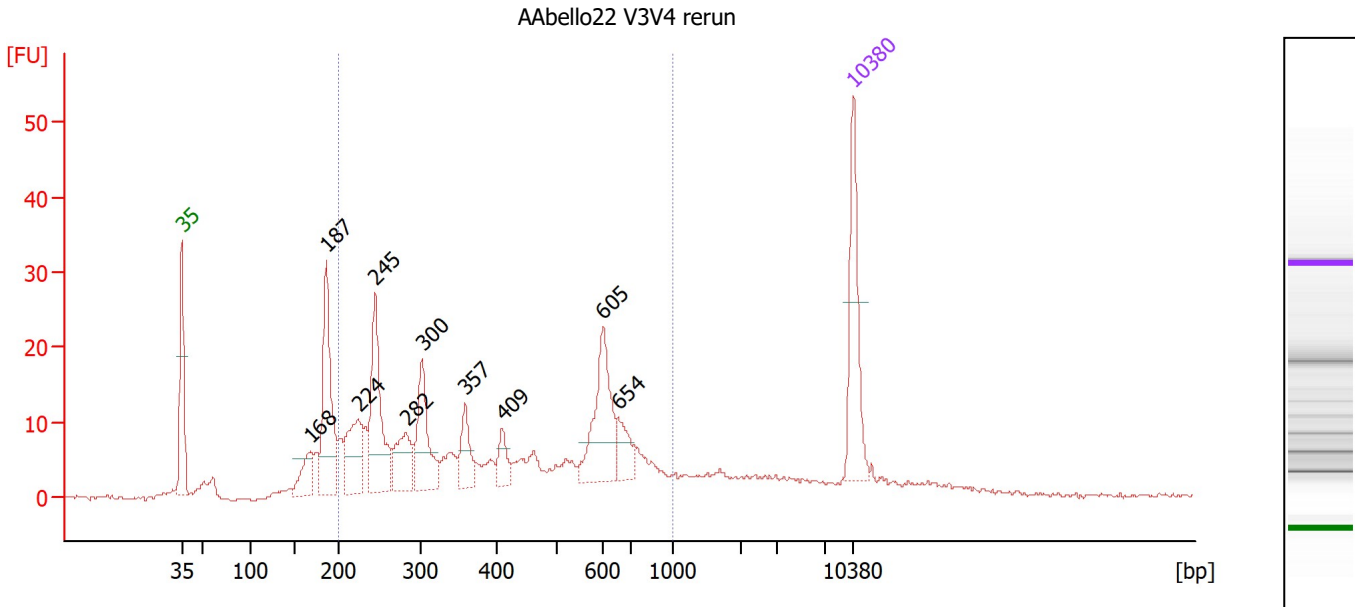
Region table for sample 5 : AAbello22 V1V2 rerun

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	646.3	85	548	16.6	1,027.42	2,919.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AAbello22 V3V4 rerun

Number of peaks found: 10 Corr. Area 1: 331.2
 Noise: 0.3

Peak table for sample 6 : AAbello22 V3V4 rerun

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	168	43.71	394.7	
3	187	150.19	1,219.5	
4	224	81.96	554.6	
5	245	133.01	822.8	
6	282	56.10	301.5	
7	300	80.55	406.3	
8	357	38.68	164.0	
9	409	23.53	87.1	
10	605	95.61	239.3	
11	654	29.34	68.0	
12	10,380	75.00	10.9	Upper Marker

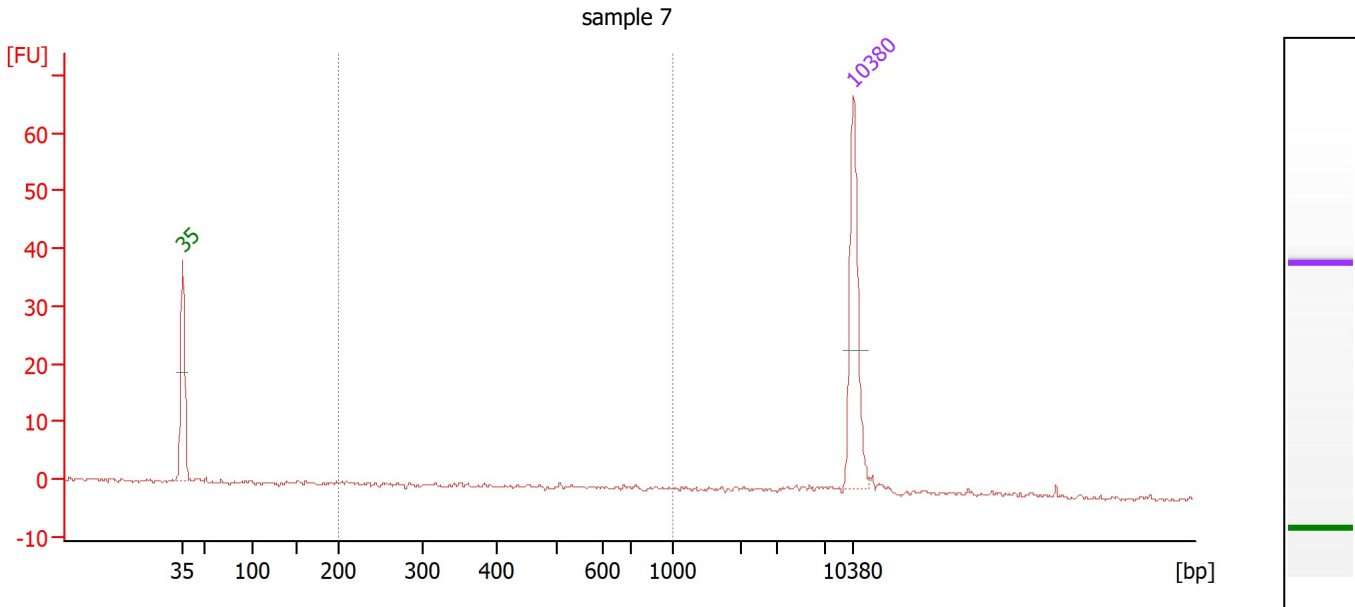
Region table for sample 6 : AAbello22 V3V4 rerun

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	331.2	70	430	42.8	863.75	3,901.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 0 Corr. Area 1: 14.4
 Noise: 0.3

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

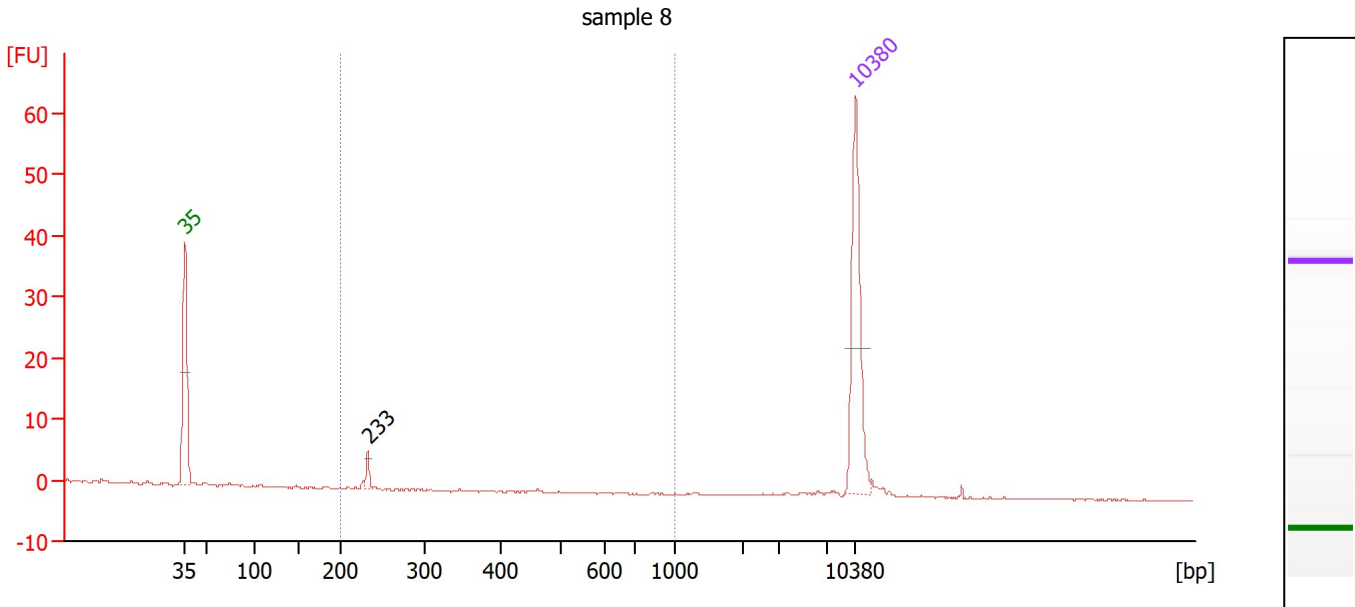
Region table for sample 7 : sample 7

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	14.4	30	476	42.7	27.31	113.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 1 Corr. Area 1: 3.3
 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	233	7.95	51.8	
3	10,380	75.00	10.9	Upper Marker

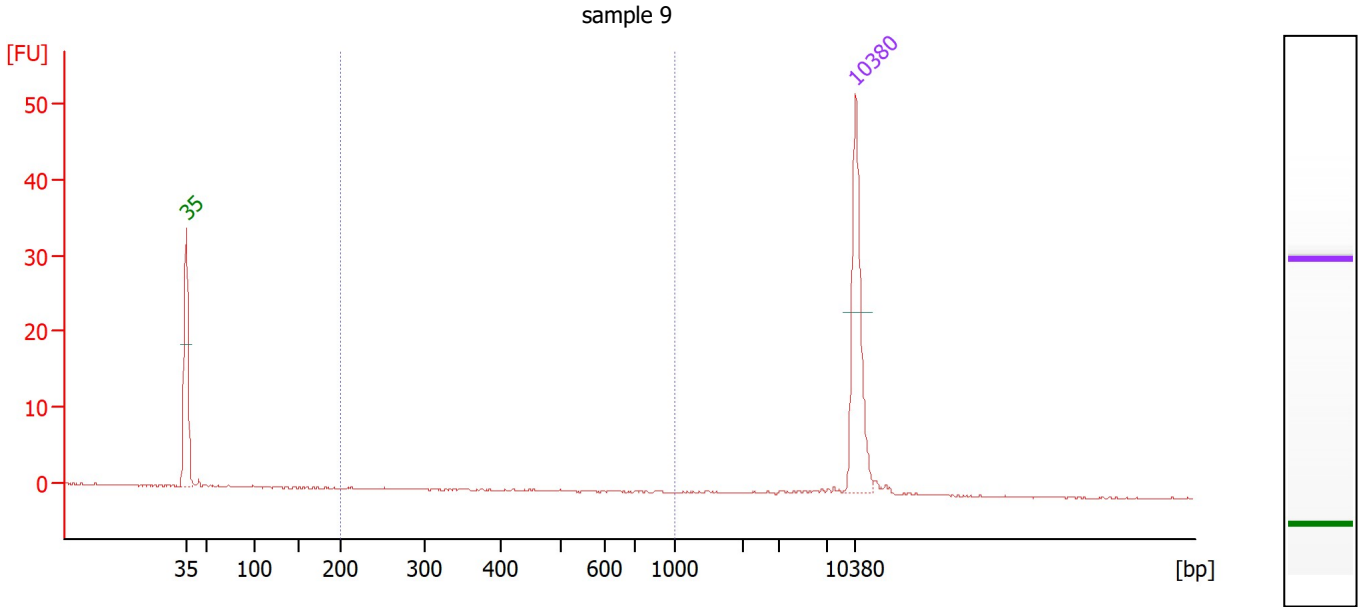
Region table for sample 8 : sample 8

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	3.3	44	235	12.0	7.69	50.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

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

Peak table for sample 9 : sample 9

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

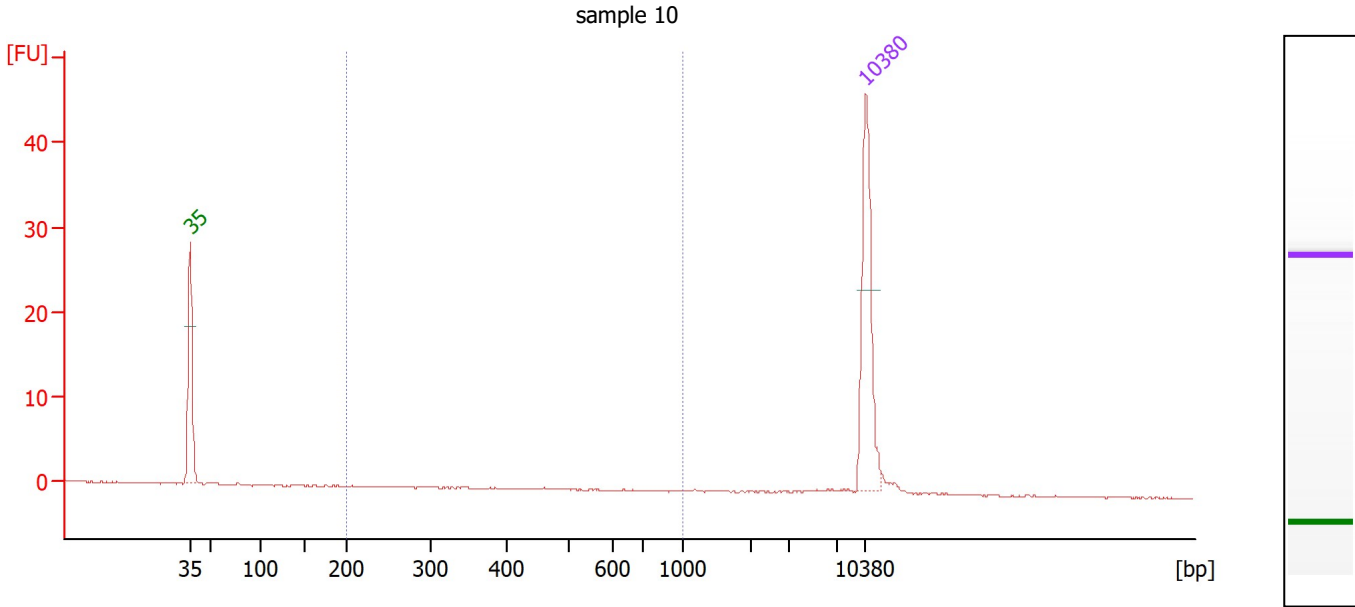
Region table for sample 9 : sample 9

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	869	1.3	0.03	0.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

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

Peak table for sample 10 : sample 10

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

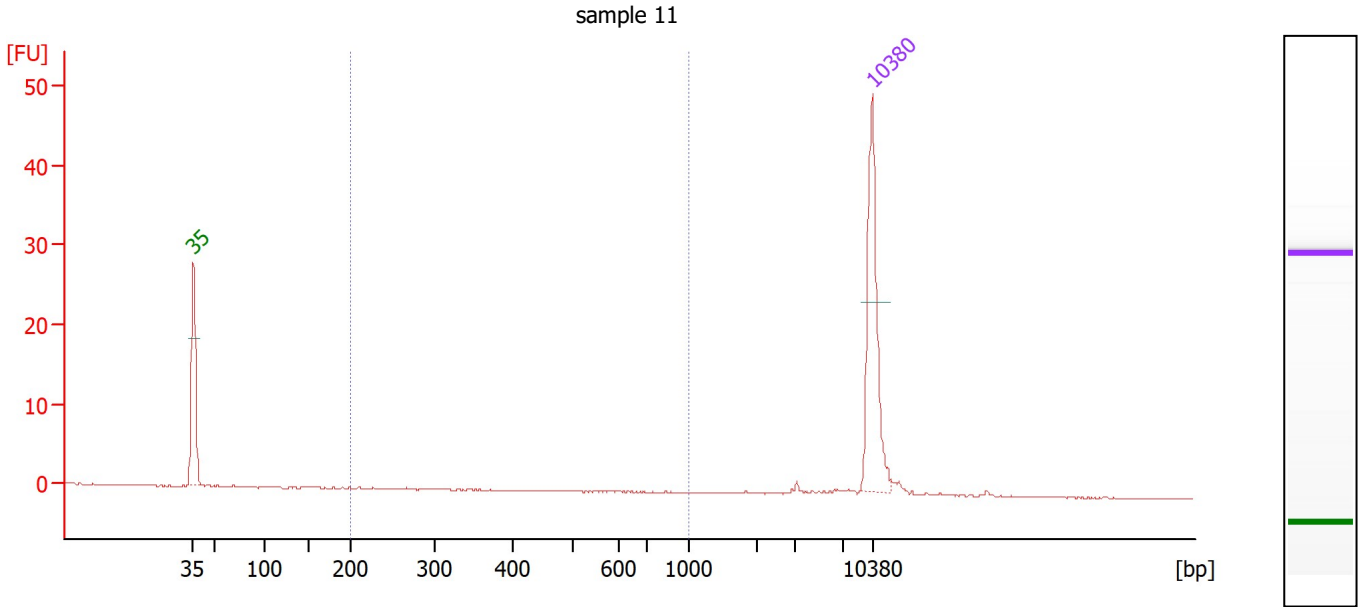
Region table for sample 10 : sample 10

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	1	461	0.2	0.05	0.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

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

Peak table for sample 11 : sample 11

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

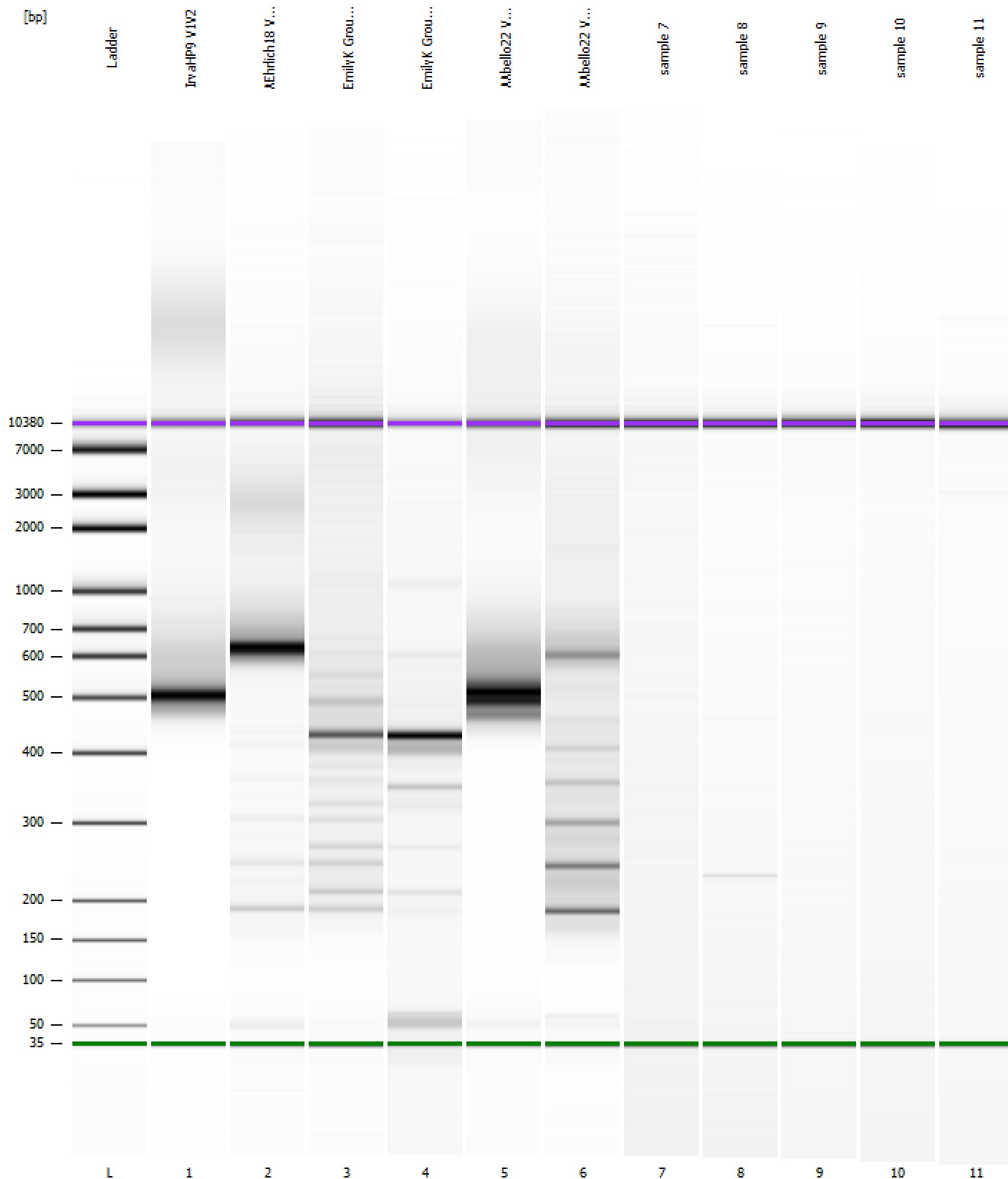
Region table for sample 11 : sample 11

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	1	312	66.4	0.09	0.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
Modified: 11/22/2024 11:53:18 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad

Created: 11/22/2024 11:12:50 AM
 Modified: 11/22/2024 11:53:18 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		11/22/2024 11:53:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-11-22\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-11-22_002.xad)		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/22/2024 11:12:55 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB