Assay Class: High Sensitivity DNA Assay	Created: 28/07/2022 16:57:09
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad	Modified: 28/07/2022 17:42:45

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	DE72903075	Firmware: C.01.069
Serial#:	DE72903075	Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.0

Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Assay Class: High Sensitivity DNA Assay   Created: 28/07/2022 16:57:09
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad   Modified: 28/07/2022 17:42:45

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Dros 1		☐	✔			
Dros 2		☐	✔			
Dros 3		☐	✔			
Killi 1		☐	✔			
Killi 2		☐	✔			
Killi 3		☐	✔			
BMH1		☐	✔			
BMH2		☐	✔			
BMH3		☐	✔			
BMH4		☐	✔			
BMH12		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

| Assay Class: | High Sensitivity DNA Assay | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | Modified: | 28/07/2022 17:42:45 |

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
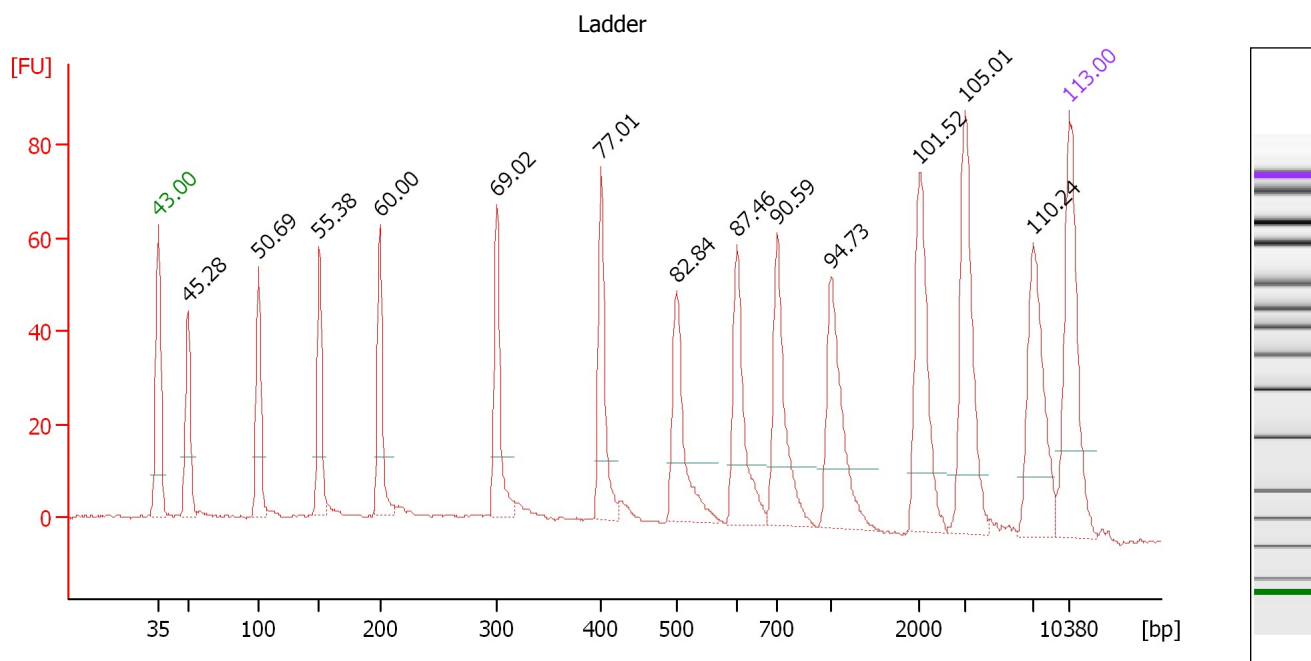
Filter Width [s] : 0.5
Polynomial Order : 4

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:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad

Created: 28/07/2022 16:57:09
Modified: 28/07/2022 17:42:45

Electropherogram Summary

Ladder

Setpoint Deviations for sample 12 :   Ladder

Height Threshold [FU] :	20		Baseline Plateau [s] :	0.3
Area Threshold :	0			

Overall Results for Ladder

Noise: 0.4

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]
1	◄	35	125.00
2	L	50	150.00
3	L	100	150.00
4	L	150	150.00
5	L	200	150.00
6	L	300	150.00
7	L	400	150.00
8	L	500	150.00
9	L	600	150.00
10	L	700	150.00
11	L	1,000	150.00
12	L	2,000	150.00
13	L	3,000	150.00
14	L	7,000	150.00
15	▶	10,380	75.00

Assay Class:	High Sensitivity DNA Assay	Created:	28/07/2022 16:57:09
Data Path:	C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad	Modified:	28/07/2022 17:42:45

Electropherogram Summary Continued ...

Dros 1

Overall Results for sample 1 :   Dros 1

Number of peaks found:	8	Corr. Area 1:	370.7
Noise:	0.2		

Peak table for sample 1 :   Dros 1

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2		83	145.00
3		211	141.59
4		224	51.15
5		232	49.54
6		245	73.15
7		273	24.54
8		375	11.72
9		395	17.02
10	▶🔒	10,380	75.00

Region table for sample 1 :   Dros 1

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	315	534.21	2,860.2

| Assay Class: | High Sensitivity DNA Assay | | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | | Modified: | 28/07/2022 17:42:45 |

Electropherogram Summary Continued ...
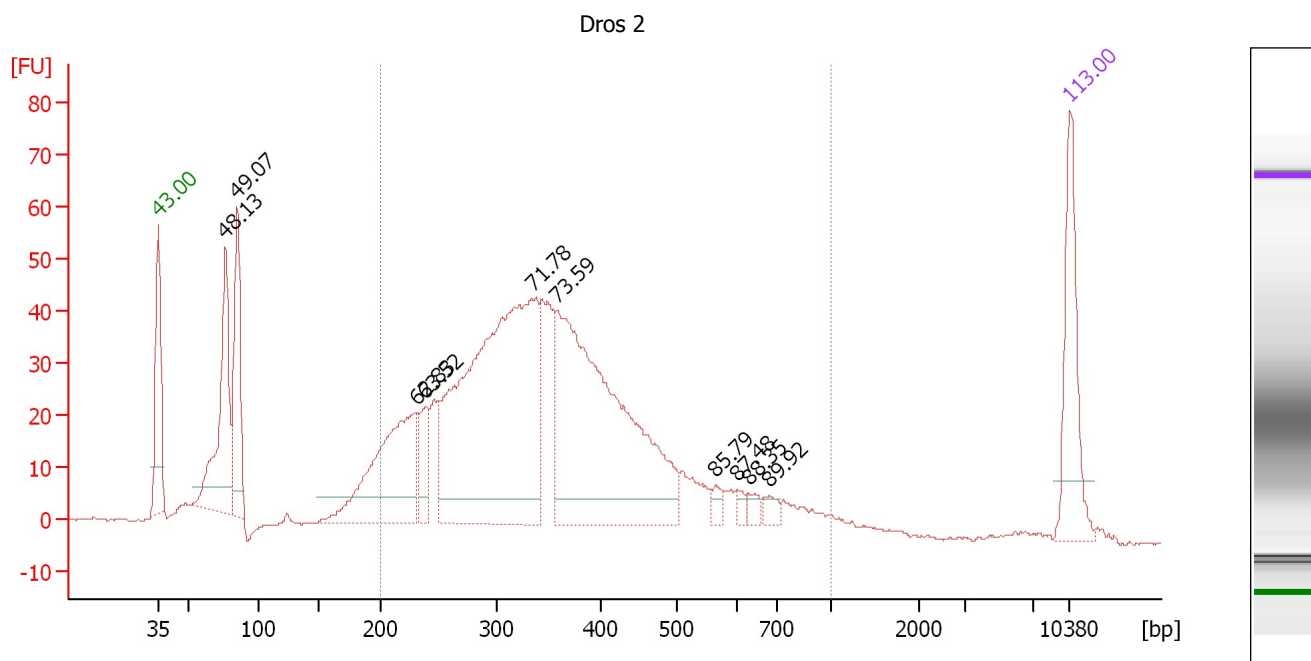
Dros 2

Overall Results for sample 2 :   Dros 2

| Number of peaks found: | 10 | Corr. Area 1: | 950.3 |
| Noise: | 0.3 | | |

Peak table for sample 2 :   Dros 2

Peak		Size [bp]	Conc. [pg/µl]
1	◄	35	125.00
2		76	169.96
3		85	126.09
4		231	196.42
5		239	43.37
6		335	528.63
7		357	437.31
8		564	8.47
9		600	7.15
10		628	8.54
11		679	10.47
12	▶🔒	10,380	75.00

Region table for sample 2 :   Dros 2

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	367	1,439.51	6,701.5

Electropherogram Summary Continued ...
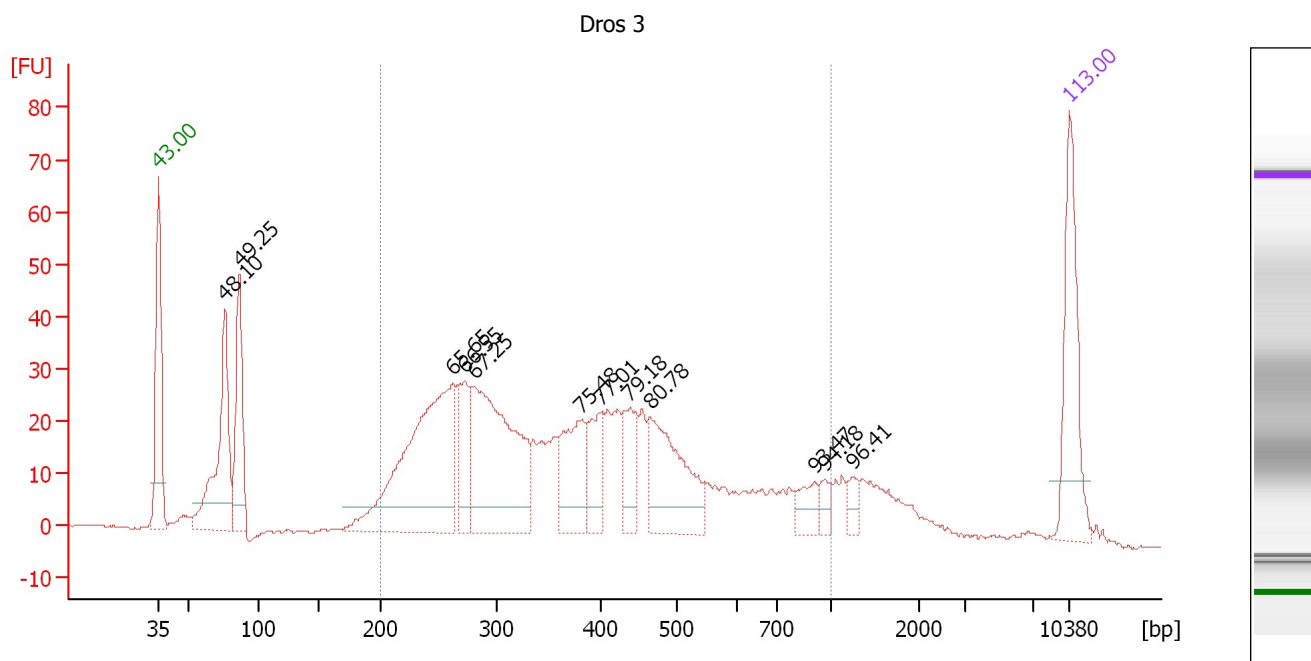
Dros 3

Overall Results for sample 3 :   Dros 3

Number of peaks found:	12
Noise:	0.2

Corr. Area 1:   745.2

Peak table for sample 3 :   Dros 3

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2		76	150.93
3		87	104.24
4		263	267.25
5		273	59.18
6		280	218.17
7		381	79.12
8		400	44.14
9		437	43.10
10		465	106.69
11		909	20.21
12		960	10.52
13		1,247	10.35
14	▶🔒	10,380	75.00

Region table for sample 3 :   Dros 3

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	404	1,084.91	4,887.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad

Created: 28/07/2022 16:57:09
Modified: 28/07/2022 17:42:45

Electropherogram Summary Continued ...
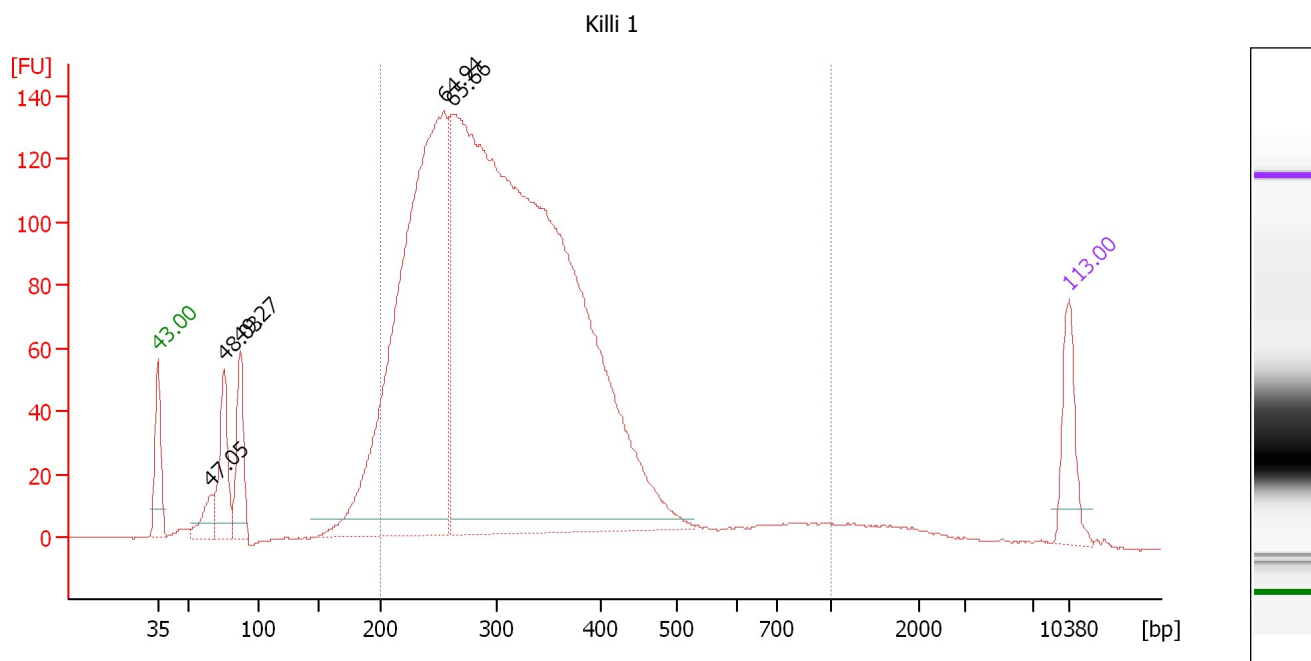
Killi 1

Overall Results for sample 4 :   Killi 1

Number of peaks found:	5	Corr. Area 1:	2,672.9
Noise:	0.3		

Peak table for sample 4 :   Killi 1

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2		66	55.51
3		75	151.01
4		87	141.42
5		255	1,409.50
6		263	3,154.66
7	▶🔒	10,380	75.00

Region table for sample 4 :   Killi 1

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	320	4,302.59	22,180.2

| Assay Class: | High Sensitivity DNA Assay | | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | | Modified: | 28/07/2022 17:42:45 |

Electropherogram Summary Continued ...
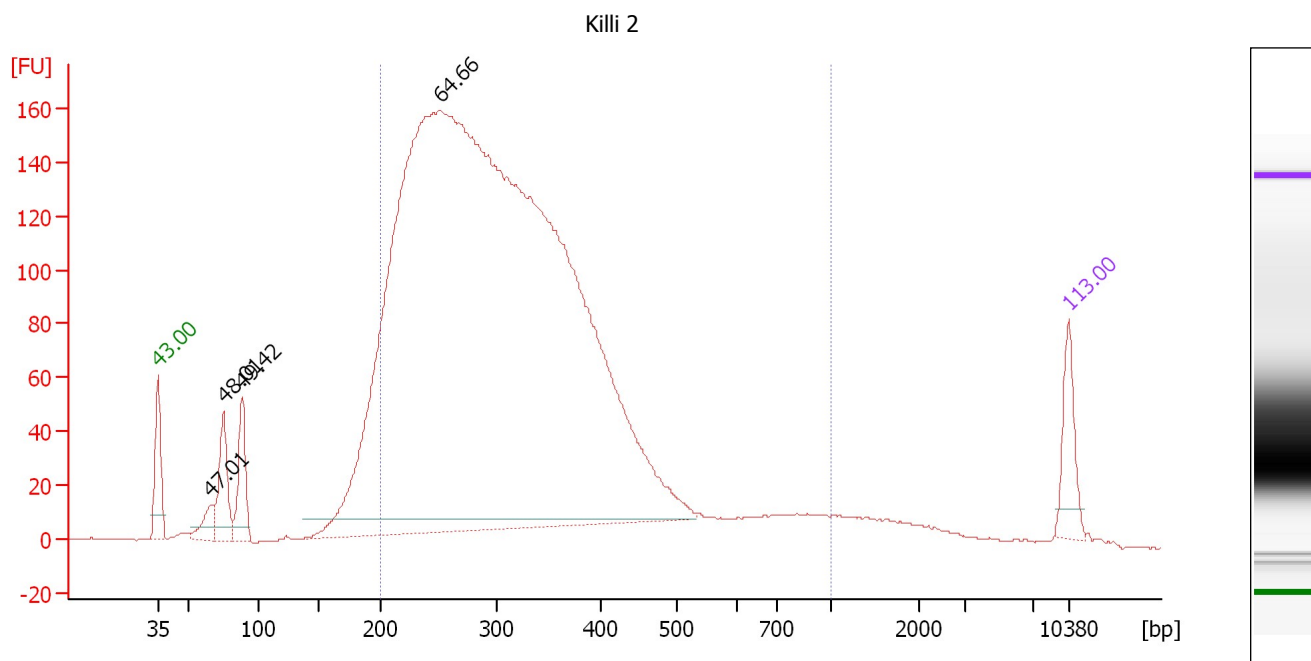
Killi 2

Overall Results for sample 5 :   Killi 2

| Number of peaks found: | 4 | Corr. Area 1: | 3,343.4 |
| Noise: | 0.3 | | |

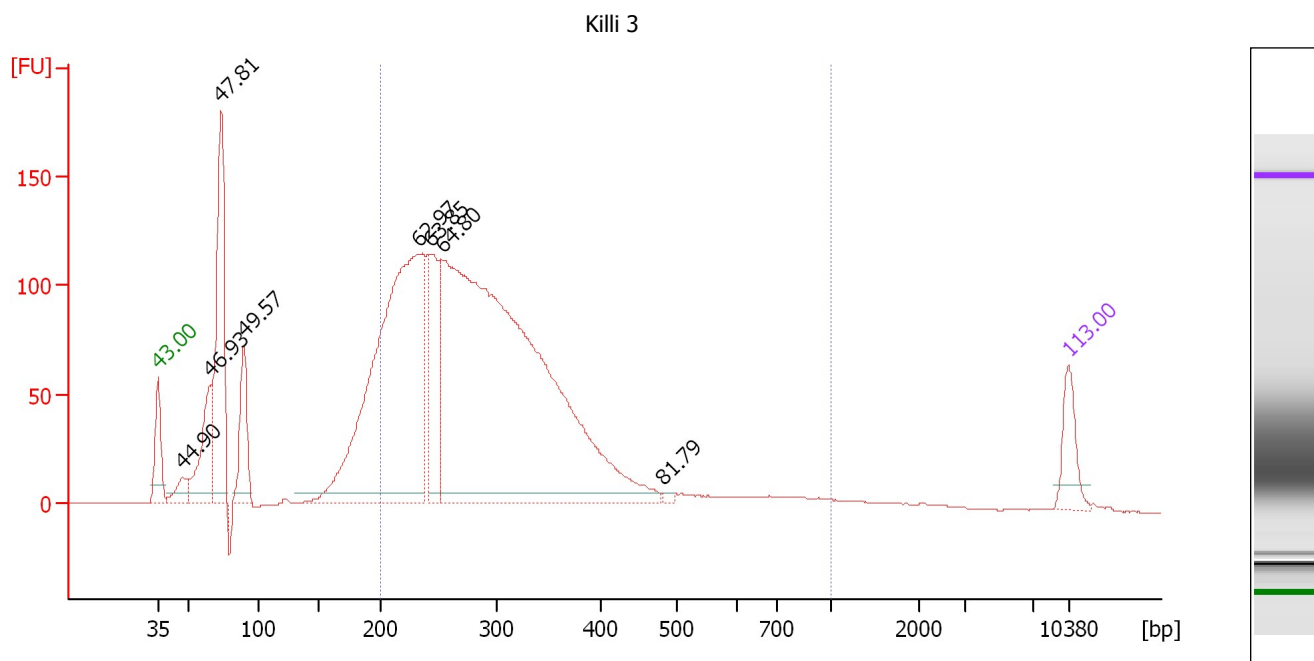**Peak table for sample 5 :   Killi 2**

Peak		Size [bp]	Conc. [pg/µl]
1	◄🔒	35	125.00
2		66	55.20
3		75	146.10
4		88	135.35
5		252	6,147.75
6	▶🔒	10,380	75.00

Region table for sample 5 :   Killi 2

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	324	5,727.47	29,650.3

| Assay Class: | High Sensitivity DNA Assay | | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | | Modified: | 28/07/2022 17:42:45 |

Electropherogram Summary Continued ...

Killi 3

Overall Results for sample 6 :   Killi 3

Number of peaks found:	8	Corr. Area 1:	2,087.1
Noise:	0.2		

Peak table for sample 6 :   Killi 3

Peak		Size [bp]	Conc. [pg/µl]
1	🔒	35	125.00
2		47	62.00
3		65	233.92
4		73	548.88
5		90	196.37
6		233	1,462.32
7		243	279.24
8		253	2,665.20
9		482	8.99
10	🔒	10,380	75.00

Region table for sample 6 :   Killi 3

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	302	3,972.82	21,629.1

| Assay Class: | High Sensitivity DNA Assay | | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | | Modified: | 28/07/2022 17:42:45 |

Electropherogram Summary Continued ...
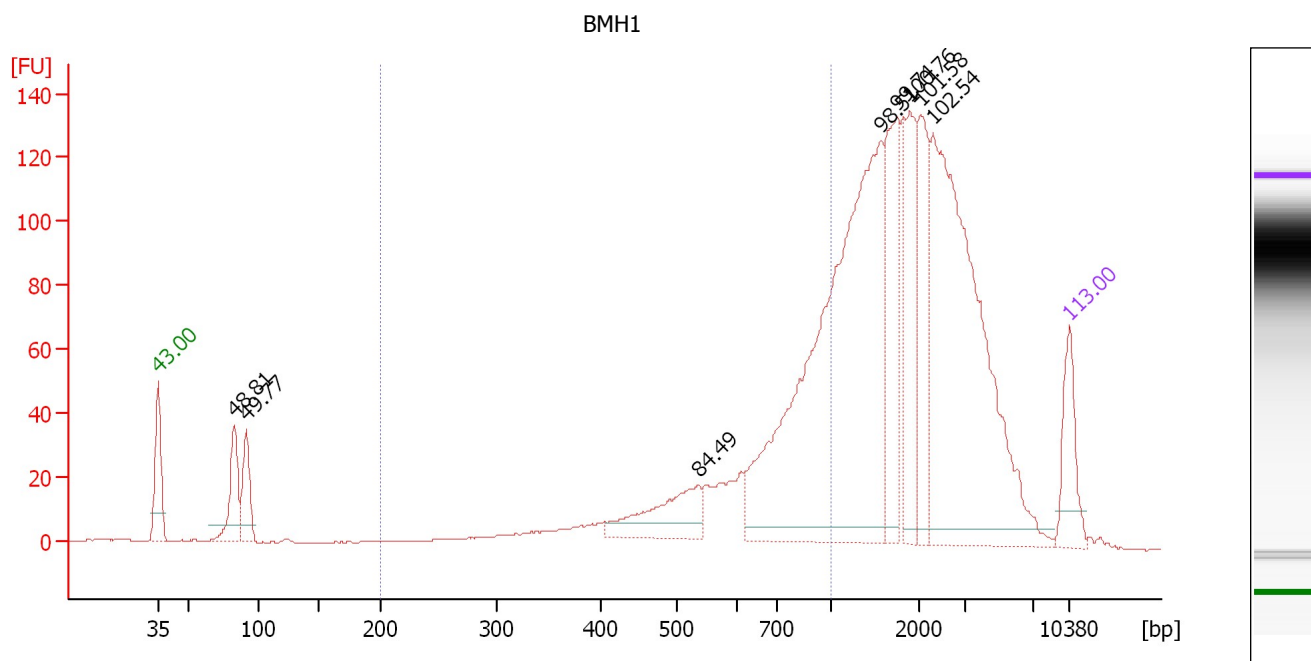
BMH1

Overall Results for sample 7 :   BMH1

| Number of peaks found: | 8 | Corr. Area 1: | 525.2 |
| Noise: | 0.2 | | |

Peak table for sample 7 :   BMH1

Peak		Size [bp]	Conc. [pg/µl]
1	🔒	35	125.00
2		83	111.59
3		91	89.28
4		536	132.20
5		1,556	894.80
6		1,737	169.64
7		1,888	169.64
8		2,017	143.21
9		2,292	642.87
10	🔒	10,380	75.00

Region table for sample 7 :   BMH1

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	686	827.66	2,119.4

Assay Class:	High Sensitivity DNA Assay		Created:	28/07/2022 16:57:09
Data Path:	C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad		Modified:	28/07/2022 17:42:45

Electropherogram Summary Continued ...
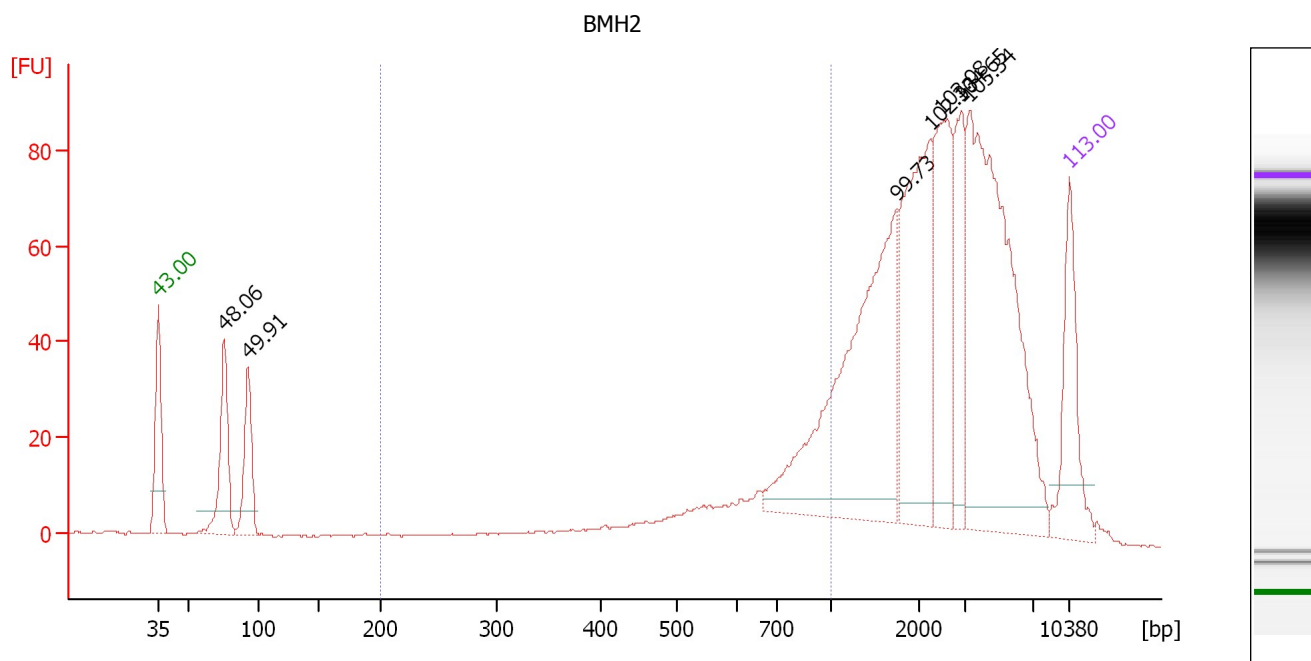
BMH2

Overall Results for sample 8 : BMH2

Number of peaks found:	7	Corr. Area 1:	180.5
Noise:	0.3		

Peak table for sample 8 : BMH2

Peak		Size [bp]	Conc. [pg/µl]
1	🔒	35	125.00
2		76	106.75
3		93	83.56
4		1,735	299.58
5		2,230	187.35
6		2,446	124.59
7		2,898	75.99
8		3,251	323.37
9	🔒	10,380	75.00

Region table for sample 8 : BMH2

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	698	237.98	589.8

| Assay Class: | High Sensitivity DNA Assay | | Created: | 28/07/2022 16:57:09 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad | | Modified: | 28/07/2022 17:42:45 |

Electropherogram Summary Continued ...
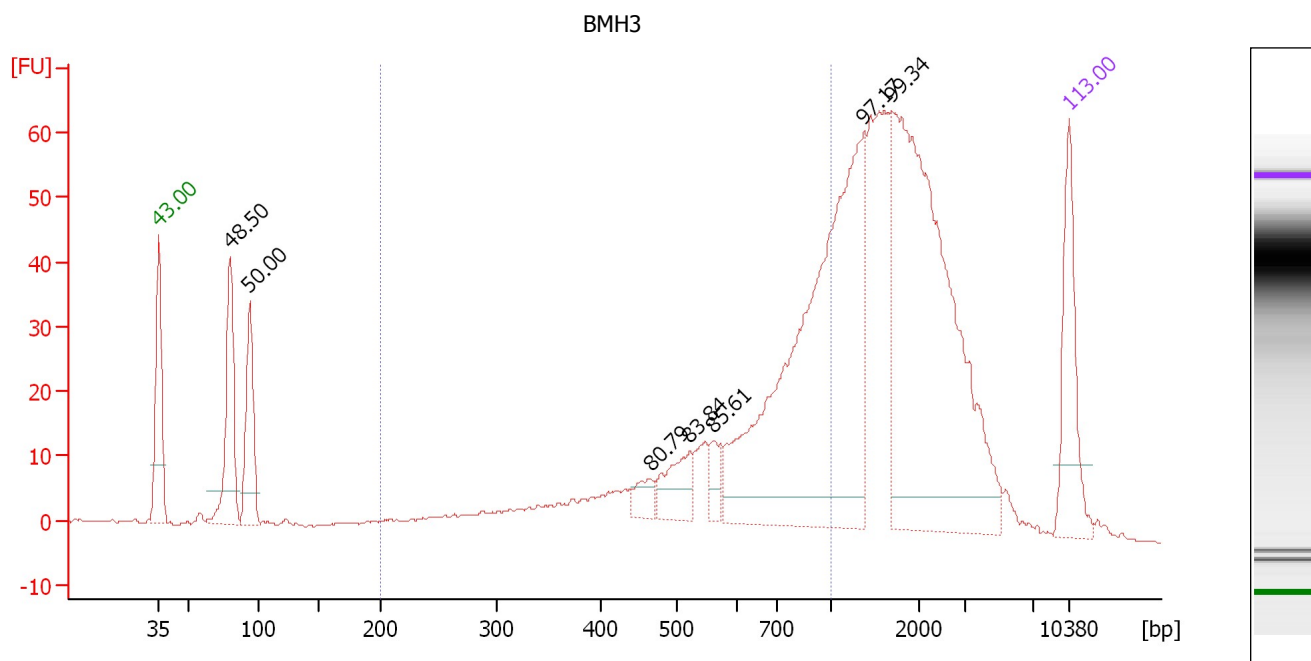
BMH3

Overall Results for sample 9 :   BMH3

| Number of peaks found: | 7 | Corr. Area 1: | 358.5 |
| Noise: | 0.2 | | |

Peak table for sample 9 :   BMH3

Peak		Size [bp]	Conc. [pg/µl]
1	🔒	35	125.00
2		80	133.67
3		94	103.48
4		465	20.60
5		522	46.84
6		560	19.71
7		1,358	462.36
8		1,678	436.26
9	🔒	10,380	75.00

Region table for sample 9 :   BMH3

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	656	619.85	1,717.0

Assay Class:	High Sensitivity DNA Assay	Created: 28/07/2022 16:57:09
Data Path:	C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad	Modified: 28/07/2022 17:42:45

Electropherogram Summary Continued ...
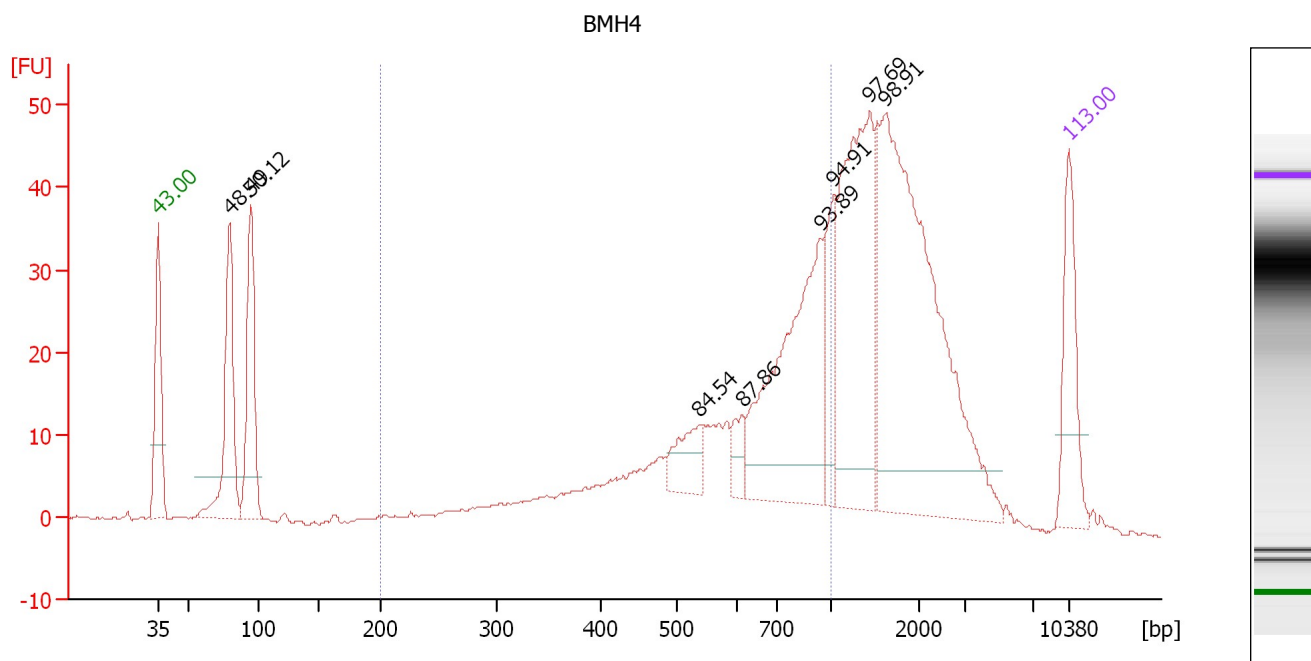
BMH4

Overall Results for sample 10 : __BMH4__

Number of peaks found:	8	Corr. Area 1:	334.1
Noise:	0.2		

Peak table for sample 10 : __BMH4__

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2		80	179.96
3		95	161.72
4		537	49.59
5		613	23.64
6		939	259.14
7		1,025	64.56
8		1,435	256.27
9		1,614	450.95
10	▶🔒	10,380	75.00

Region table for sample 10 : __BMH4__

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	642	819.25	2,334.1

Electropherogram Summary Continued ...
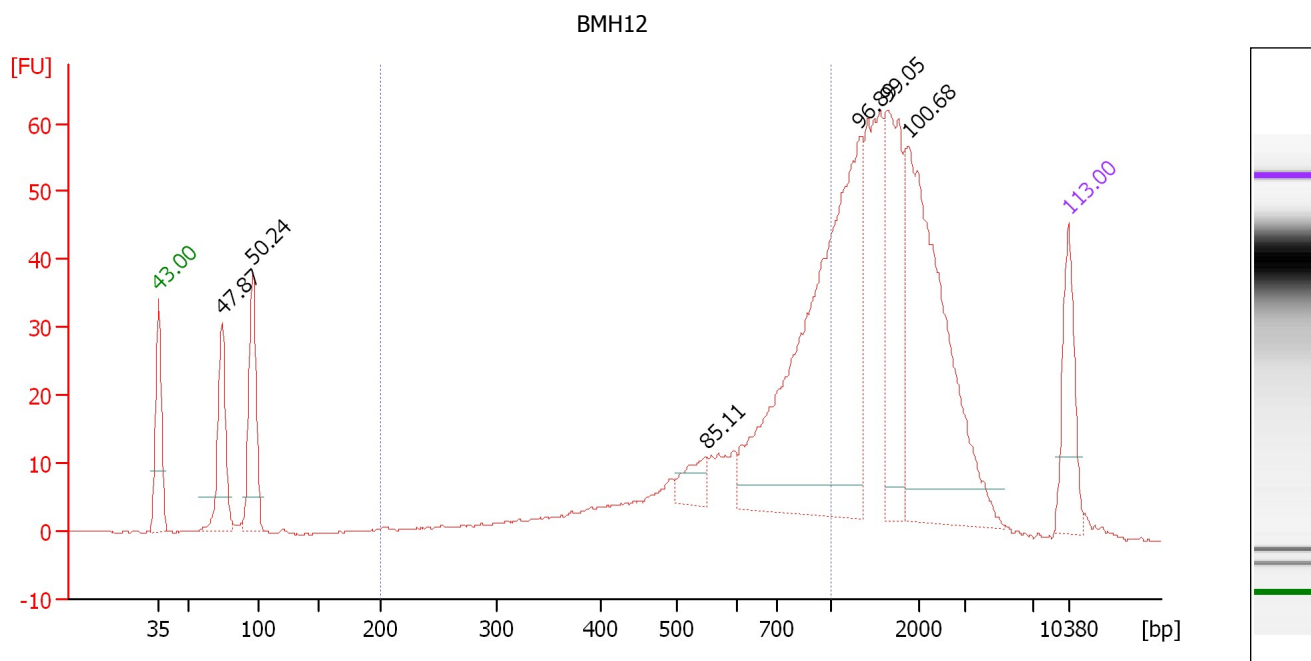
BMH12

Overall Results for sample 11 :   **BMH12**

Number of peaks found:	6	Corr. Area 1:	325.6
Noise:	0.2		

Peak table for sample 11 :   **BMH12**

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2		74	148.65
3		96	170.38
4		549	37.34
5		1,317	556.50
6		1,636	165.30
7		1,876	356.81
8	▶🔒	10,380	75.00

Region table for sample 11 :   **BMH12**

Name	Average Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]
Region 1	664	821.02	2,256.3

Assay Class:	High Sensitivity DNA Assay		Created:	28/07/2022 16:57:09
Data Path:	C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad		Modified:	28/07/2022 17:42:45

Electropherogram Summary Continued ...

Ladder

Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] :	20	Baseline Plateau [s] :	0.3
Area Threshold :	0		

Overall Results for Ladder

Noise: 0.4

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]
1	◀	35	125.00
2	L	50	150.00
3	L	100	150.00
4	L	150	150.00
5	L	200	150.00
6	L	300	150.00
7	L	400	150.00
8	L	500	150.00
9	L	600	150.00
10	L	700	150.00
11	L	1,000	150.00
12	L	2,000	150.00
13	L	3,000	150.00
14	L	7,000	150.00
15	▶	10,380	75.00

Assay Class: High Sensitivity DNA Assay   Created: 28/07/2022 16:57:09
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-28_16-57-09.xad   Modified: 28/07/2022 17:42:45

Gel Image