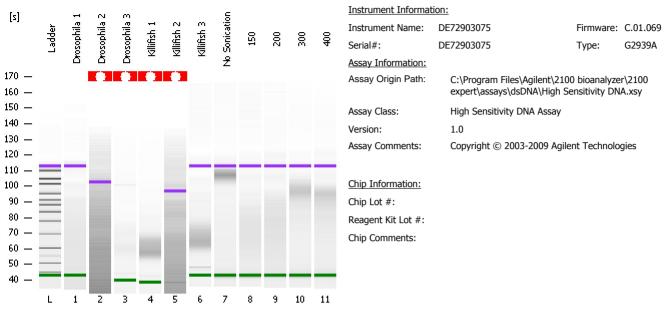
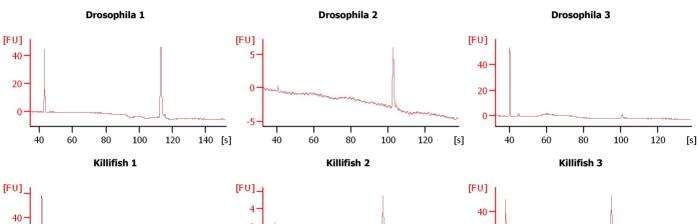
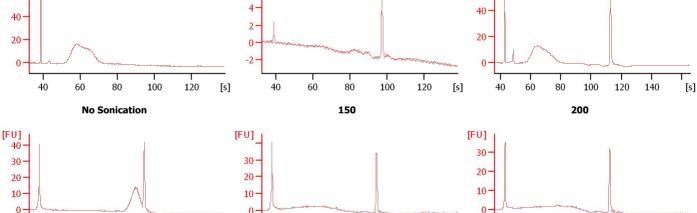
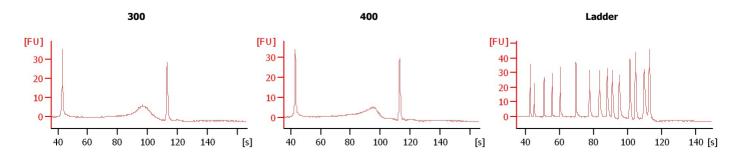
Electrophoresis File Run Summary









100

120

140

[s]

40

60

80

100

120

140

[s]

80

40

60

40

60

80

100

120

140

[s]

2100 expert_High Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

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Assay Class: Data Path: High Sensitivity DNA Assay Created: 26/07/2022 16:00:58 C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Modified: 26/07/2022 16:50:37 **Electrophoresis File Run Summary (Chip Summary) Sample Name** Sample Comment Rest. Digest Status Observation **Result Label Result Color** Drosophila 1 Drosophila 2 Drosophila 3 Killifish 1 Killifish 2 Killifish 3 No Sonication 150 200 300 400 Chip Lot # Reagent Kit Lot # **Chip Comments:**

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Assay Class: High Sensitivity DNA Assay Created: 26/07/2022 16:00:58
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Created: 26/07/2022 16:50:37

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

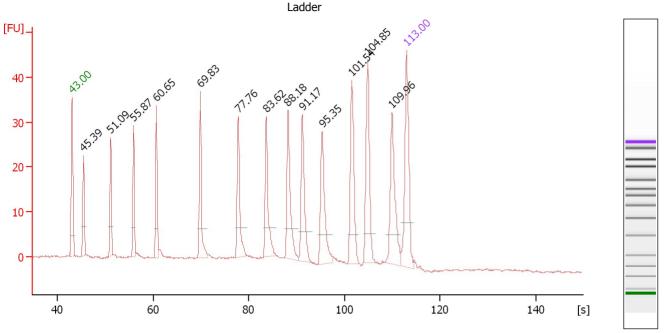
Ladder

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

Printed:

26/07/2022 16:53:21

Electropherogram Summary



Setpoint Deviations for sample 12: <u>Ladder</u>

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

Area Threshold: 0

Overall Results for Ladder

Noise: 0.2

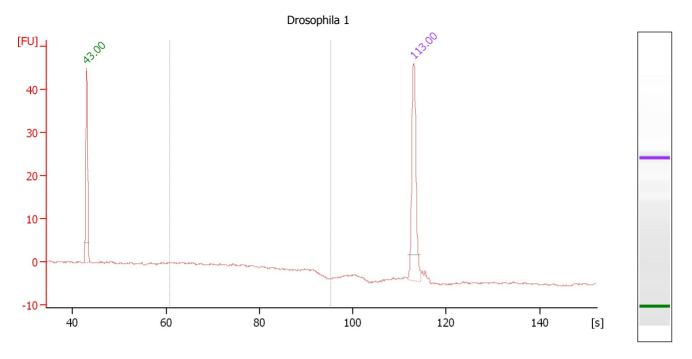
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]
1	4	35	125.00
2	Ĺ	50	150.00
3	L	100	150.00
4		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

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Assay Class: High Sensitivity DNA Assay Created: 26/07/2022 16:00:58 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Created: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Overall Results for sample 1 : <u>Drosophila 1</u>

Number of peaks found: 0 Corr. Area 1: 34.1

Noise: 0.2

Peak table for sample 1: <u>Drosophila 1</u>

 Peak
 Size [bp]
 Conc. [pg/μl]

 1
 4
 35
 125.00

2 10,380 75.00

Region table for sample 1: <u>Drosophila 1</u>

Name Average Size [bp] Conc. [pg/µl] Molarity [pmol/l]

Region 1 381 82.51 386.2

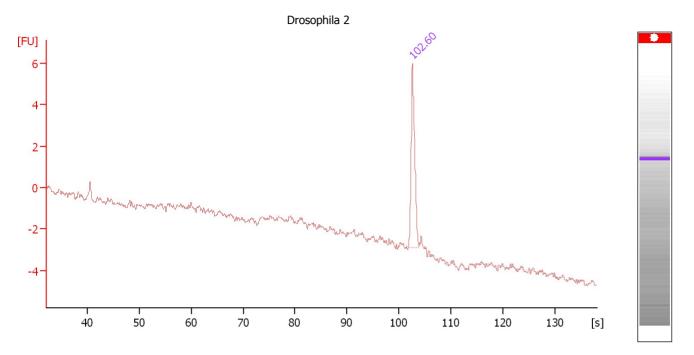
Printed:

26/07/2022 16:53:21

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Assay Class: High Sensitivity DNA Assay Created: 26/07/2022 16:00:58 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Created: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Overall Results for sample 2: <u>Drosophila 2</u>

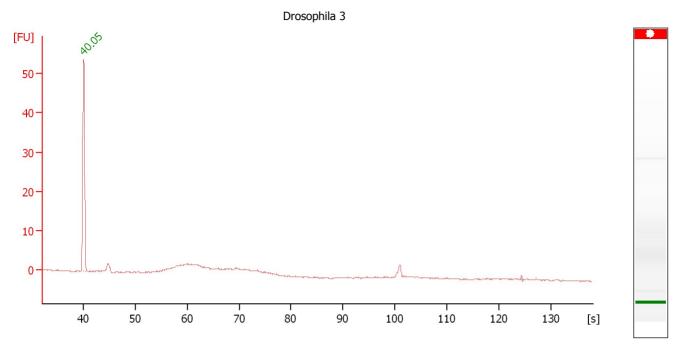
Number of peaks found: 0 Noise: 0.1

Conc. [pg/µl]

Peak table for sample 2: <u>Drosophila 2</u>
Peak Size [bp]

1 0 0.00

Electropherogram Summary Continued ...



Overall Results for sample 3: <u>Drosophila 3</u>

Number of peaks found: 0 Noise: 0.2

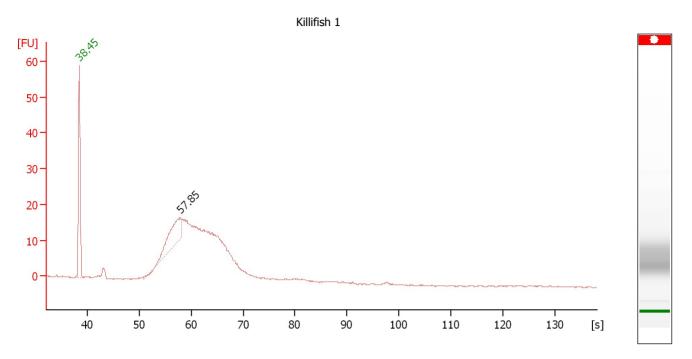
Peak table for sample 3: Drosophila 3
Peak Size [bp] Conc. [pg/ μ l]

1 4 0 0.00

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Assay Class: High Sensitivity DNA Assay Created: 26/07/2022 16:00:58 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Created: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Overall Results for sample 4: Killifish 1

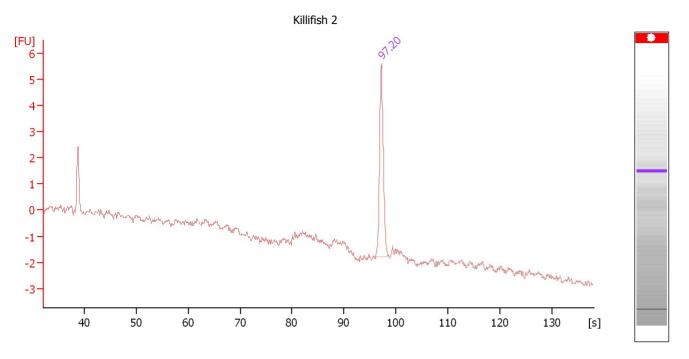
Number of peaks found: 1 Noise: 0.1

Peak table for sample 4:			Killifish 1	
Peak		Size [bp]		Conc. [pg/µl]
1	4	0		0.00
2		0		0.00

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26/07/2022 16:00:58 26/07/2022 16:50:37 Assay Class: Data Path: High Sensitivity DNA Assay C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad Created: Modified:

Electropherogram Summary Continued ...



Overall Results for sample 5: Killifish 2

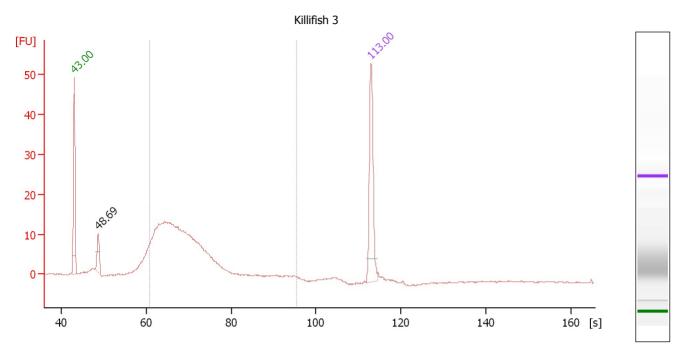
Number of peaks found: Noise: 0.1

Peak table for sample 5: Killifish 2

Peak Size [bp] Conc. [pg/µl] 1

0 0.00 Pa

Electropherogram Summary Continued ...



Overall Results for sample 6: Killifish 3

Number of peaks found: 1 Corr. Area 1: 227.4

Noise: 0.1

Peak table for sample 6: Killifish 3

 Peak
 Size [bp]
 Conc. [pg/µl]

 1
 ♣
 35
 125.00

 2
 79
 34.29

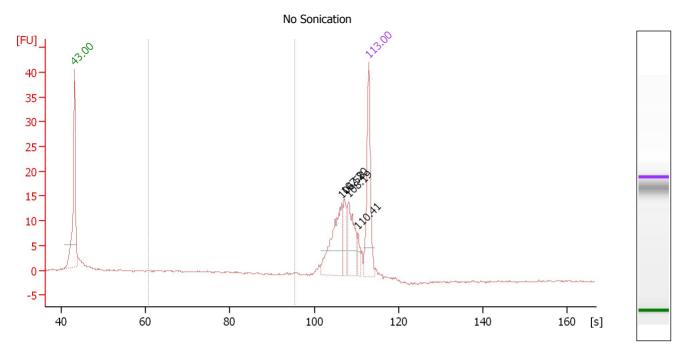
 3
 ♣
 10,380
 75.00

Region table for sample 6: Killifish 3

 Name
 Average Size [bp]
 Conc. [pg/μl]
 Molarity [pmol/l]

 Region 1
 283
 573.90
 3,203.7

Electropherogram Summary Continued ...



Overall Results for sample 7: No Sonication

Number of peaks found: 4 Corr. Area 1: 11.0

Noise: 0.1

Peak table for sample 7: No Sonicati	Peak	table	for same	ole 7	:	No Sonicatio
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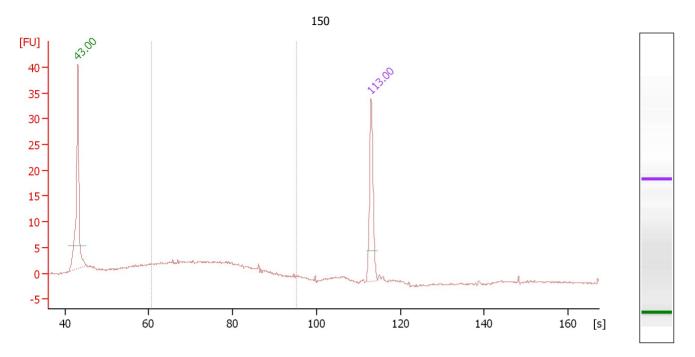
Peak		Size [bp]	Conc. [pg/µl]
1	18	35	125.00
2		4,353	80.34
3		4,836	21.57
4		5,610	50.27
5		7,499	9.96
6	Þ.A.	10.380	75.00

Region table for sample 7: <u>No Sonication</u>

 Name
 Average Size [bp]
 Conc. [pg/μl]
 Molarity [pmol/l]

 Region 1
 418
 31.94
 144.6

Electropherogram Summary Continued ...



Overall Results for sample 8 : 150

Number of peaks found: 0 Corr. Area 1: 87.7

Noise: 0.1

Peak table for sample 8 : <u>150</u>

 Peak
 Size [bp]
 Conc. [pg/μ]

 1
 1
 35
 125.00

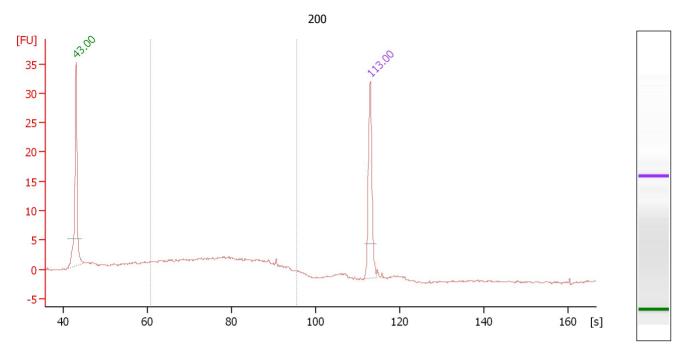
 2
 10,380
 75.00

Region table for sample 8 : <u>150</u>

Name Average Size [bp] Conc. [pg/ μ l] Molarity [pmol/l]

Region 1 375 327.11 1,527.7

Electropherogram Summary Continued ...



Overall Results for sample 9: 200

Number of peaks found: 0 Corr. Area 1: 92.2

Noise: 0.1

Peak table for sample 9 : 200

 Peak
 Size [bp]
 Conc. [pg/μ]

 1
 46
 35
 125.00

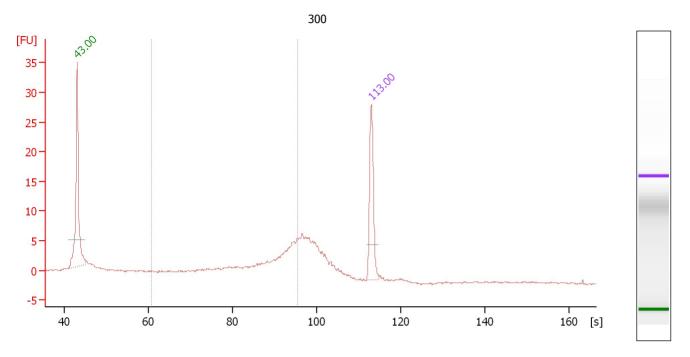
 2
 10,380
 75.00

Region table for sample 9: 200

Name Average Size [bp] Conc. [pg/ μ l] Molarity [pmol/l]

Region 1 431 350.94 1,498.8

Electropherogram Summary Continued ...



Overall Results for sample 10 : 300

Number of peaks found: 0 Corr. Area 1: 57.3

Noise: 0.1

Peak table for sample 10 : 300

 Peak
 Size [bp]
 Conc. [pg/μ]

 1
 4
 35
 125.00

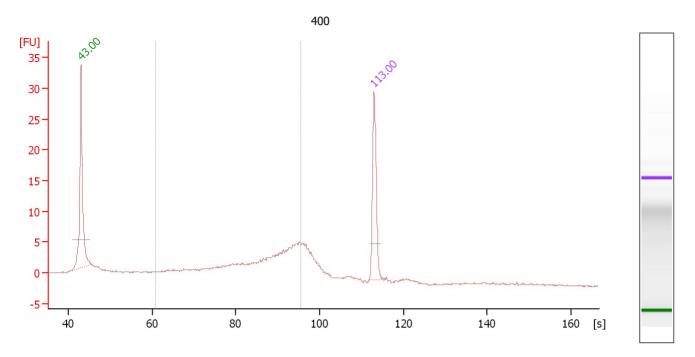
 2
 10,380
 75.00

Region table for sample 10 : 300

Name Average Size [bp] Conc. [pg/ μ l] Molarity [pmol/l]

Region 1 632 214.98 637.4

Electropherogram Summary Continued ...



Overall Results for sample 11: 400

Number of peaks found: 0 Corr. Area 1: 87.7

Noise: 0.1

Peak table for sample 11 : 400

 Peak
 Size [bp]
 Conc. [pg/μ]

 1
 4
 35
 125.00

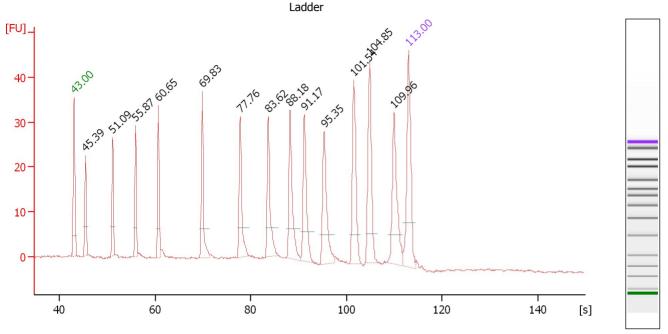
 2
 10,380
 75.00

Region table for sample 11: 400

Name Average Size [bp] Conc. [pg/µl] Molarity [pmol/l]

Region 1 576 343.38 1,144.0

Electropherogram Summary Continued ...



Setpoint Deviations for sample 12: <u>Ladder</u>

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

Area Threshold: 0

Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

Peak	Si	ze [bp]	Conc. [pg/µl]
1	35		125.00
2	50)	150.00
3	10	00	150.00
4	15	50	150.00
5	_ 20	00	150.00
6	30	00	150.00
7	40	00	150.00
8	_ 50	00	150.00
9	60	00	150.00
10	70	00	150.00
11	1,	000	150.00
12	2,	000	150.00
13	3,	000	150.00
14	7,	000	150.00
15	10),380	75.00

Assay Class: Data Path: High Sensitivity DNA Assay C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad 26/07/2022 16:00:58 26/07/2022 16:50:37 Created: Modified: **Gel Image** [s] Drosophila 2 Drosophila 3 No Sonication Drosophila 1 Killifish 3 Ladder \$ 150 8 鮗 170 — 165 — 160 -155 — 150 — 145 — 140 — 135 — 130 — 125 — 120 — 115 — 110 — 105 — 100 — 95 — 90 85 80 -75 **—** 70 **—** 65 — 60 — 55 **—** 50 **—** 45 — 40 — 35 — L 1 8 9 10 11