

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_001.xad

Created: 3/16/2018 9:05:44 AM
Modified: 3/16/2018 9:49:21 AM

Electrophoresis File Run Summary

Instrument Information:

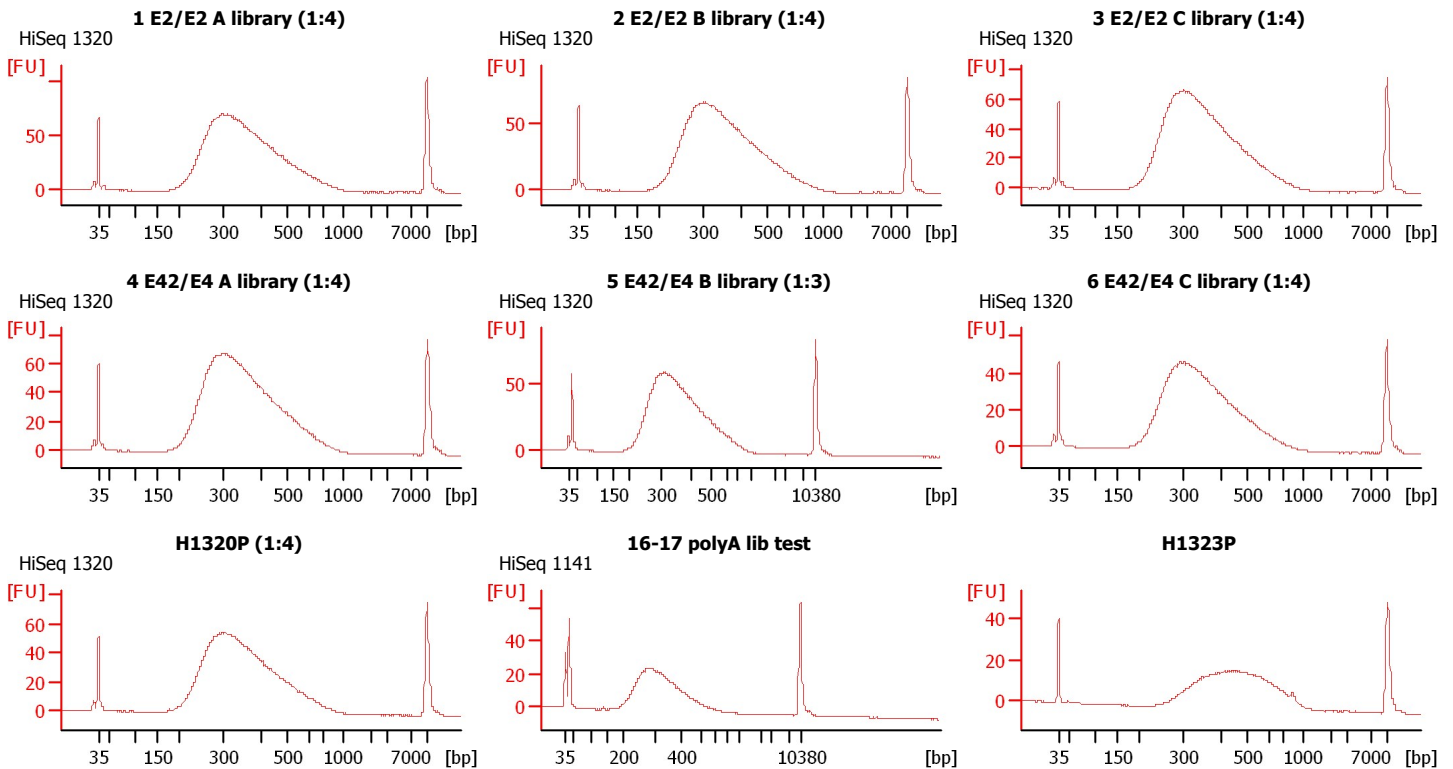
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1 E2/E2 A library (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
2 E2/E2 B library (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
3 E2/E2 C library (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
4 E42/E4 A library (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
5 E42/E4 B library (1:3)	HiSeq 1320	<input type="checkbox"/>	✓			
6 E42/E4 C library (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
H1320P (1:4)	HiSeq 1320	<input type="checkbox"/>	✓			
16-17 polyA lib test	HiSeq 1141	<input type="checkbox"/>	✓			
H1323P		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

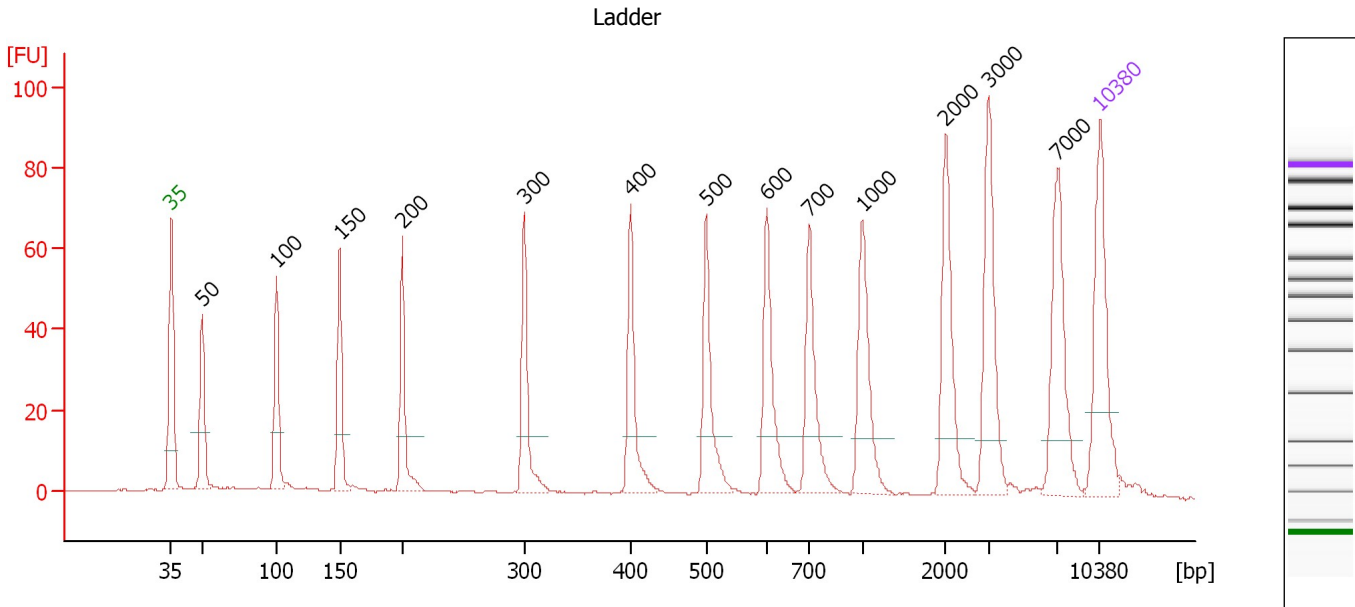
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

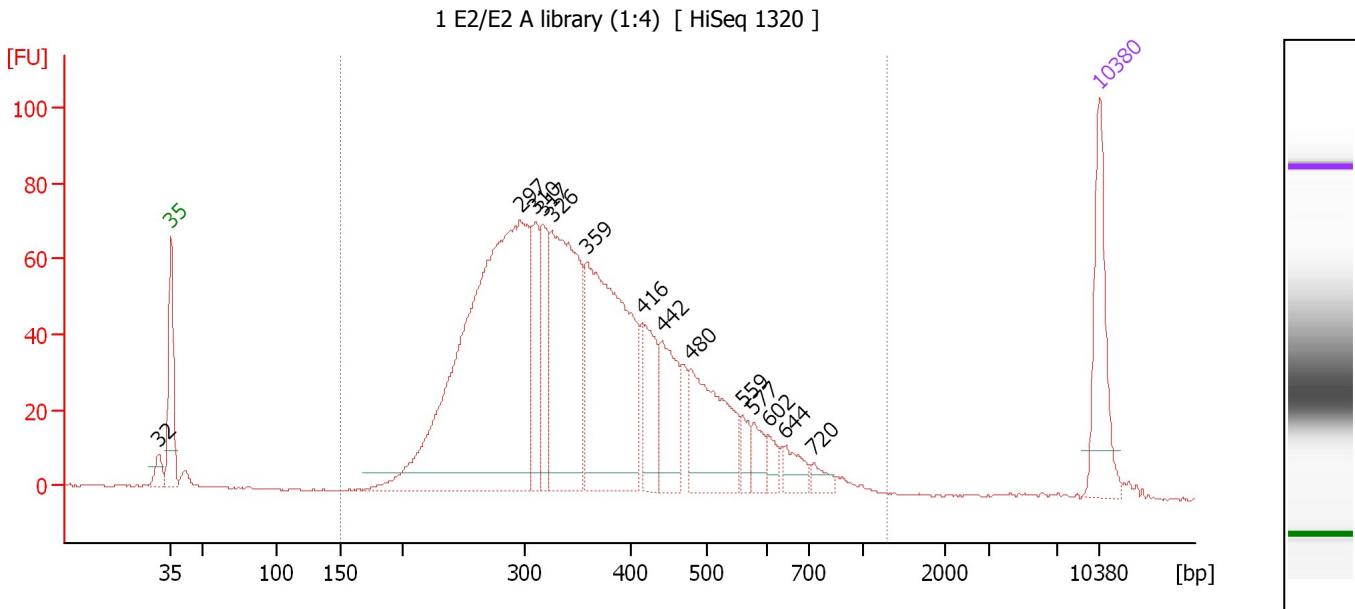
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	50.97
4	150	150.00	1,515.2	Ladder Peak	55.75
5	200	150.00	1,136.4	Ladder Peak	60.43
6	300	150.00	757.6	Ladder Peak	69.59
7	400	150.00	568.2	Ladder Peak	77.65
8	500	150.00	454.5	Ladder Peak	83.33
9	600	150.00	378.8	Ladder Peak	87.91
10	700	150.00	324.7	Ladder Peak	91.09
11	1,000	150.00	227.3	Ladder Peak	95.08
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.59
14	7,000	150.00	32.5	Ladder Peak	109.81
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1 E2/E2 A library (1:4)

Number of peaks found: 14 Corr. Area 1: 1,714.0
 Noise: 0.3

Peak table for sample 1 : 1 E2/E2 A library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.04
2	35	125.00	5,411.3	Lower Marker	43.00
3	297	744.78	3,804.6		69.28
4	310	87.74	429.0		70.38
5	317	79.25	378.3		70.99
6	326	284.46	1,321.4		71.70
7	359	348.01	1,470.1		74.32
8	416	75.35	274.5		78.55
9	442	85.33	292.7		80.02
10	480	134.15	423.5		82.19
11	559	16.46	44.6		86.02
12	577	21.98	57.7		86.88
13	602	15.25	38.3		87.99
14	644	22.66	53.4		89.30
15	720	13.03	27.4		91.36
16	10,380	75.00	10.9	Upper Marker	113.00

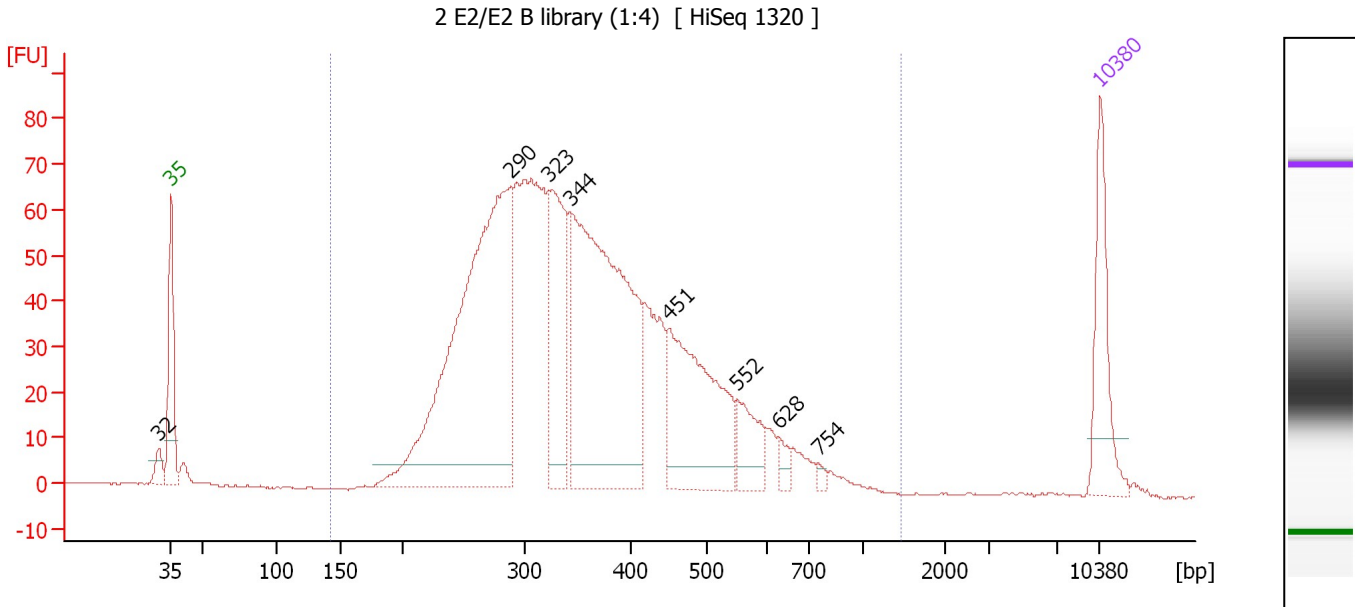
Region table for sample 1 : 1 E2/E2 A library (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
150	1,309	373	1,714.0	2,026.98	9,222.9	98	32.2

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 2 E2/E2 B library (1:4)

Number of peaks found: 8 Corr. Area 1: 1,608.3
 Noise: 0.3

Peak table for sample 2 : 2 E2/E2 B library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.03
2	35	125.00	5,411.3	Lower Marker	43.00
3	290	666.61	3,488.6		68.63
4	323	176.40	826.3		71.48
5	344	534.46	2,356.2		73.11
6	451	229.22	770.0		80.55
7	552	52.72	144.8		85.69
8	628	12.95	31.2		88.80
9	754	5.76	11.6		91.81
10	10,380	75.00	10.9	Upper Marker	113.00

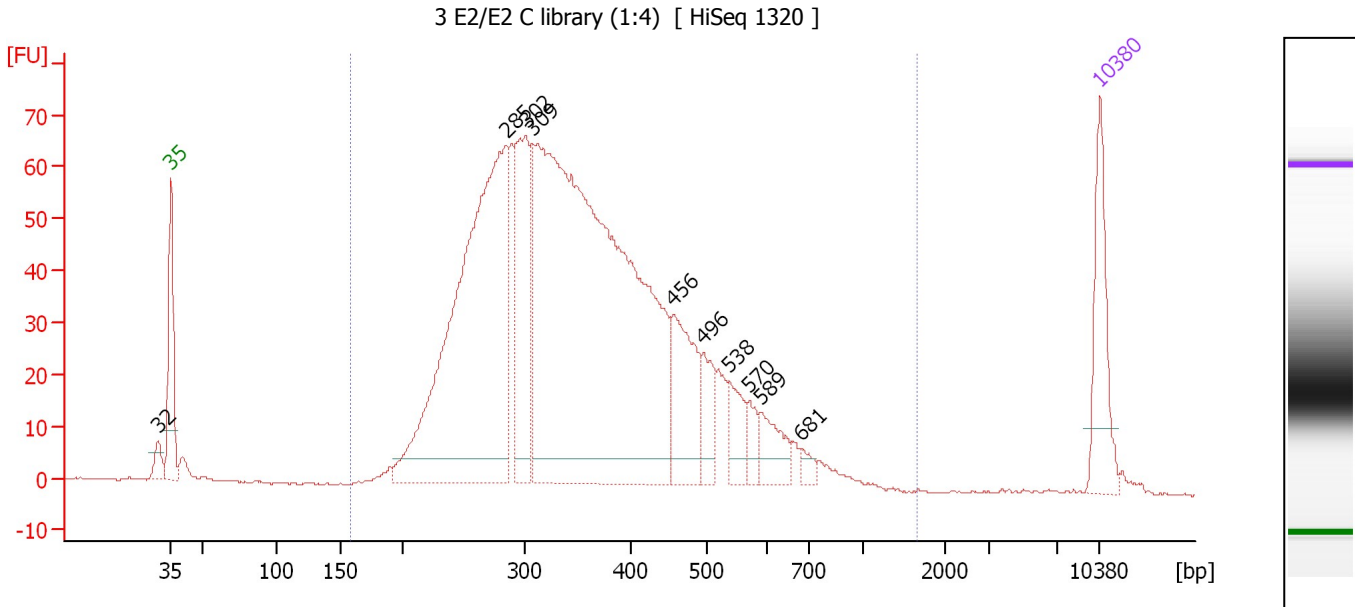
Region table for sample 2 : 2 E2/E2 B library (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
143	1,463	368	1,608.3	2,271.37	10,424.7	99	31.1

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 3 E2/E2 C library (1:4)

Number of peaks found: 10 Corr. Area 1: 1,573.3
 Noise: 0.2

Peak table for sample 3 : 3 E2/E2 C library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.07
2	35	125.00	5,411.3	Lower Marker	43.00
3	285	743.86	3,948.5		68.25
4	302	196.04	983.2		69.76
5	309	1,271.13	6,242.3		70.27
6	456	126.58	420.2		80.85
7	496	45.43	138.9		83.08
8	538	41.52	117.0		85.05
9	570	21.61	57.4		86.56
10	589	42.20	108.6		87.39
11	681	11.00	24.5		90.50
12	10,380	75.00	10.9	Upper Marker	113.00

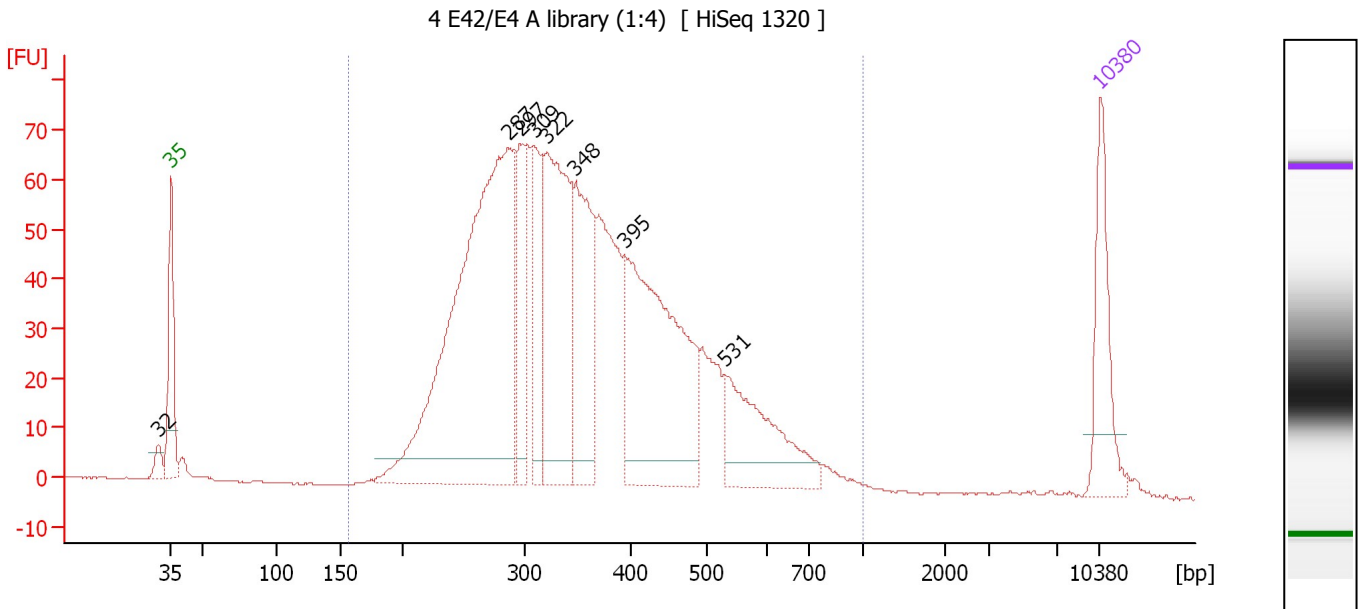
Region table for sample 3 : 3 E2/E2 C library (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
158	1,665	367	1,573.3	2,615.57	12,066.8	98	31.9

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 4 E42/E4 A library (1:4)

Number of peaks found: 8 Corr. Area 1: 1,637.3
 Noise: 0.2

Peak table for sample 4 : 4 E42/E4 A library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.05
2	35	125.00	5,411.3	Lower Marker	43.00
3	287	748.18	3,951.8		68.38
4	297	125.46	639.4		69.34
5	309	105.05	514.4		70.34
6	322	291.24	1,371.0		71.35
7	348	181.93	791.8		73.47
8	395	357.25	1,371.1		77.23
9	531	141.35	403.2		84.76
10	10,380	75.00	10.9	Upper Marker	113.00

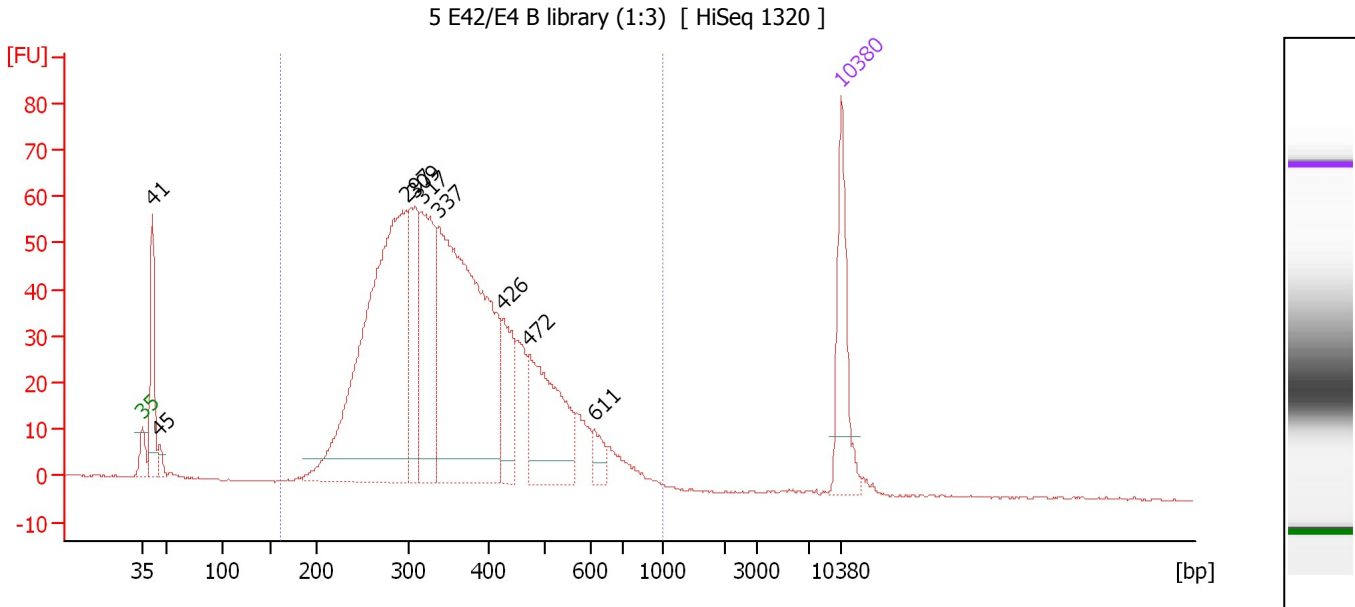
Region table for sample 4 : 4 E42/E4 A library (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
157	1,000	366	1,637.3	2,357.86	10,882.4	98	30.5

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 5 E42/E4 B library (1:3)

Number of peaks found: 9 Corr. Area 1: 1,385.3
 Noise: 0.2

Peak table for sample 5 : 5 E42/E4 B library (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	41	120.13	4,435.3		43.96
3	45	15.85	529.0		44.66
4	297	618.20	3,150.0		69.34
5	309	122.63	601.5		70.31
6	317	195.92	936.8		70.95
7	337	562.96	2,528.0		72.60
8	426	75.66	269.2		79.12
9	472	160.57	515.4		81.74
10	611	19.88	49.3		88.26
11	10,380	75.00	10.9	Upper Marker	113.00

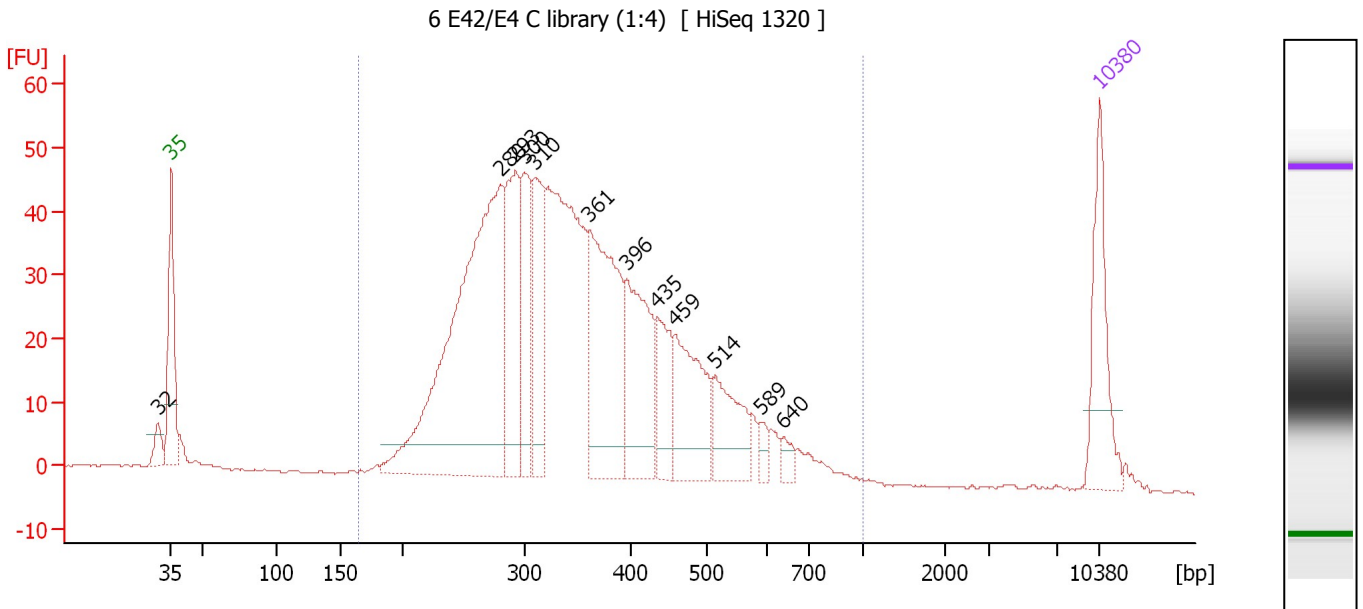
Region table for sample 5 : 5 E42/E4 B library (1:3)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
161	1,000	371	1,385.3	1,905.10	8,626.4	95	29.7

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 6 E42/E4 C library (1:4)

Number of peaks found: 12 Corr. Area 1: 1,096.4
 Noise: 0.2

Peak table for sample 6 : 6 E42/E4 C library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.00
2	35	125.00	5,411.3	Lower Marker	43.00
3	280	577.90	3,125.1		67.77
4	293	156.71	810.7		68.93
5	300	103.65	523.3		69.60
6	310	113.43	553.7		70.42
7	361	238.44	1,000.4		74.52
8	396	146.81	561.6		77.34
9	435	64.20	223.4		79.66
10	459	119.76	395.5		80.99
11	514	77.47	228.3		83.97
12	589	11.81	30.4		87.40
13	640	12.61	29.9		89.17
14	10,380	75.00	10.9	Upper Marker	113.00

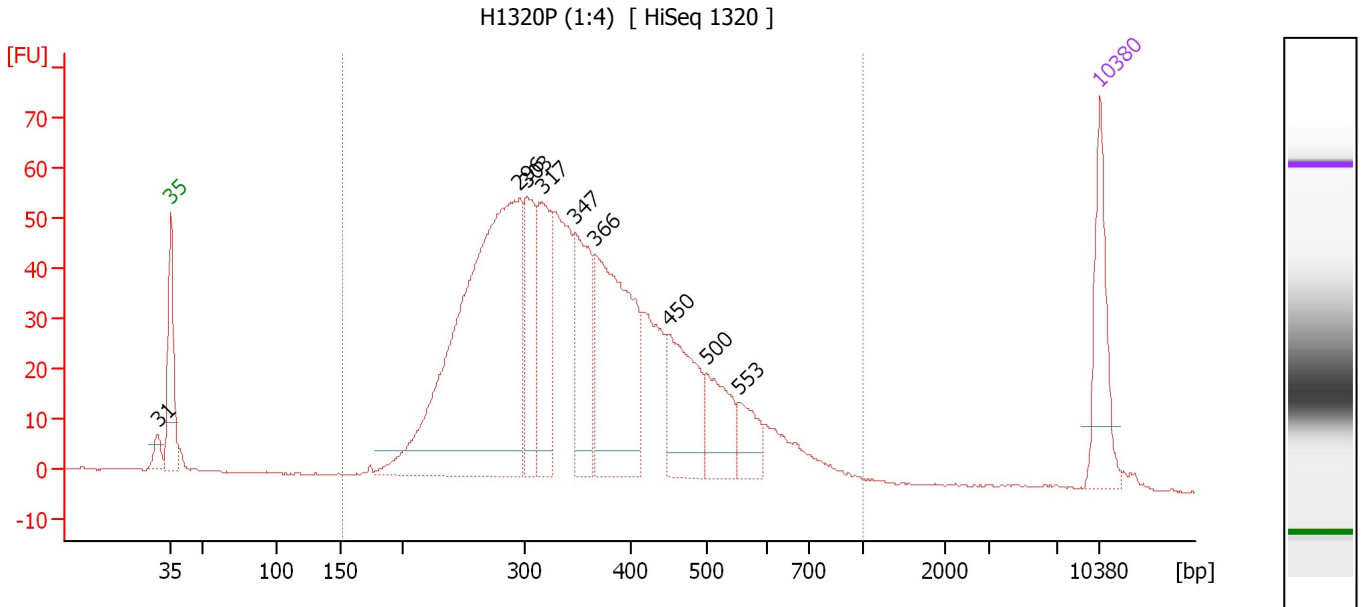
Region table for sample 6 : 6 E42/E4 C library (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
165	1,000	362	1,096.4	2,101.69	9,765.1	97	30.0

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Electropherogram Summary Continued ...



Overall Results for sample 7 : H1320P (1:4)

Number of peaks found: 9 Corr. Area 1: 1,297.2
 Noise: 0.1

Peak table for sample 7 : H1320P (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.99
2	35	125.00	5,411.3	Lower Marker	43.00
3	296	738.40	3,776.4		69.24
4	303	126.65	633.9		69.81
5	317	141.08	673.5		70.99
6	347	147.23	642.1		73.41
7	366	287.48	1,189.2		74.93
8	450	127.06	427.5		80.51
9	500	79.06	239.6		83.32
10	553	42.17	115.6		85.74
11	10,380	75.00	10.9	Upper Marker	113.00

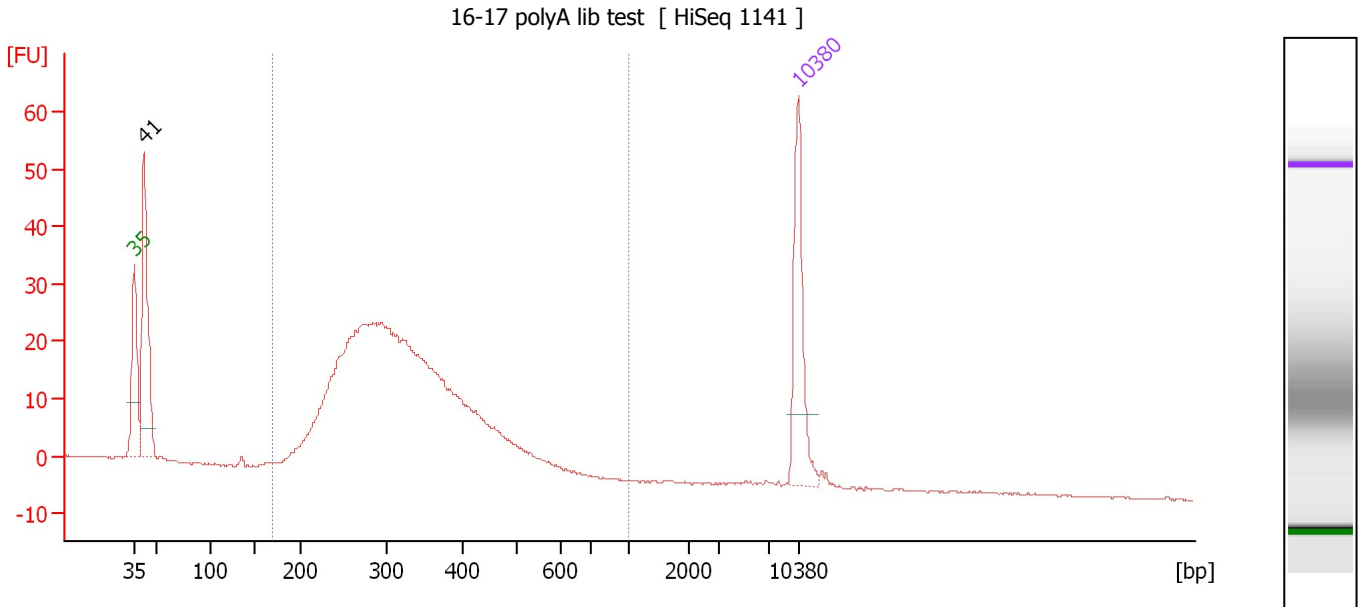
Region table for sample 7 : H1320P (1:4)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
152	1,000	367	1,297.2	2,144.35	9,884.8	98	30.7

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 16-17 polyA lib test

Number of peaks found: 1 Corr. Area 1: 530.0
 Noise: 0.2

Peak table for sample 8 : 16-17 polyA lib test

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	41	206.78	7,577.2		44.01
3	10,380	75.00	10.9	Upper Marker	113.00

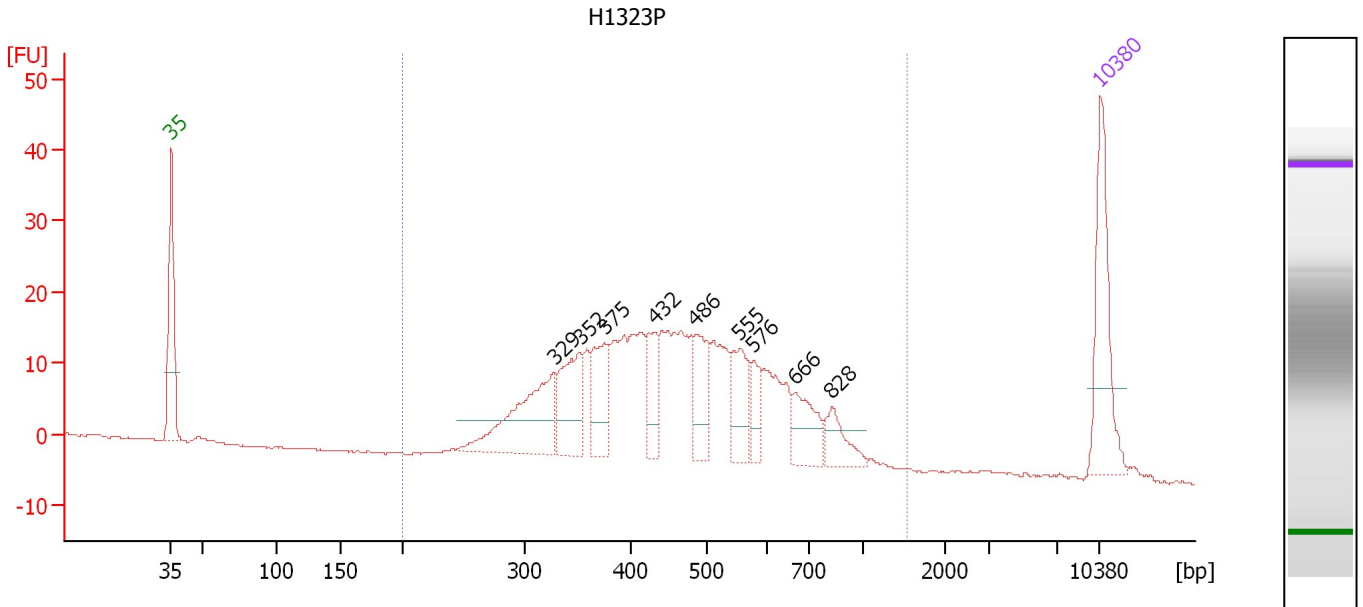
Region table for sample 8 : 16-17 polyA lib test

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
170	1,000	329	530.0	955.87	4,752.6	85	25.0

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Electropherogram Summary Continued ...



Overall Results for sample 9 : H1323P

Number of peaks found: 9 Corr. Area 1: 424.0
 Noise: 0.1

Peak table for sample 9 : H1323P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	329	120.43	555.3		71.89
3	352	70.57	303.5		73.80
4	375	56.61	228.6		75.66
5	432	38.94	136.5		79.48
6	486	53.72	167.4		82.55
7	555	47.58	129.9		85.85
8	576	22.61	59.4		86.83
9	666	41.83	95.1		90.01
10	828	28.55	52.2		92.79
11	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 9 : H1323P

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,538	479	424.0	884.54	3,118.0	99	30.3

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Gel Image

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Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.