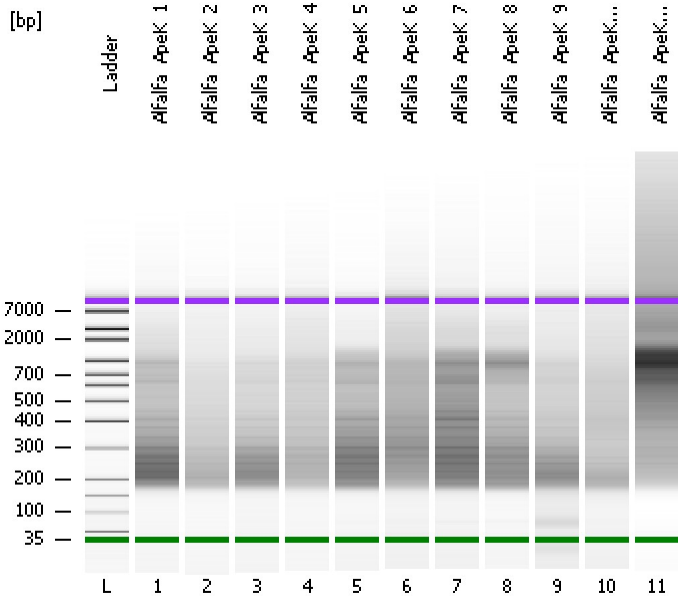


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electrophoresis File Run Summary



Instrument Information:

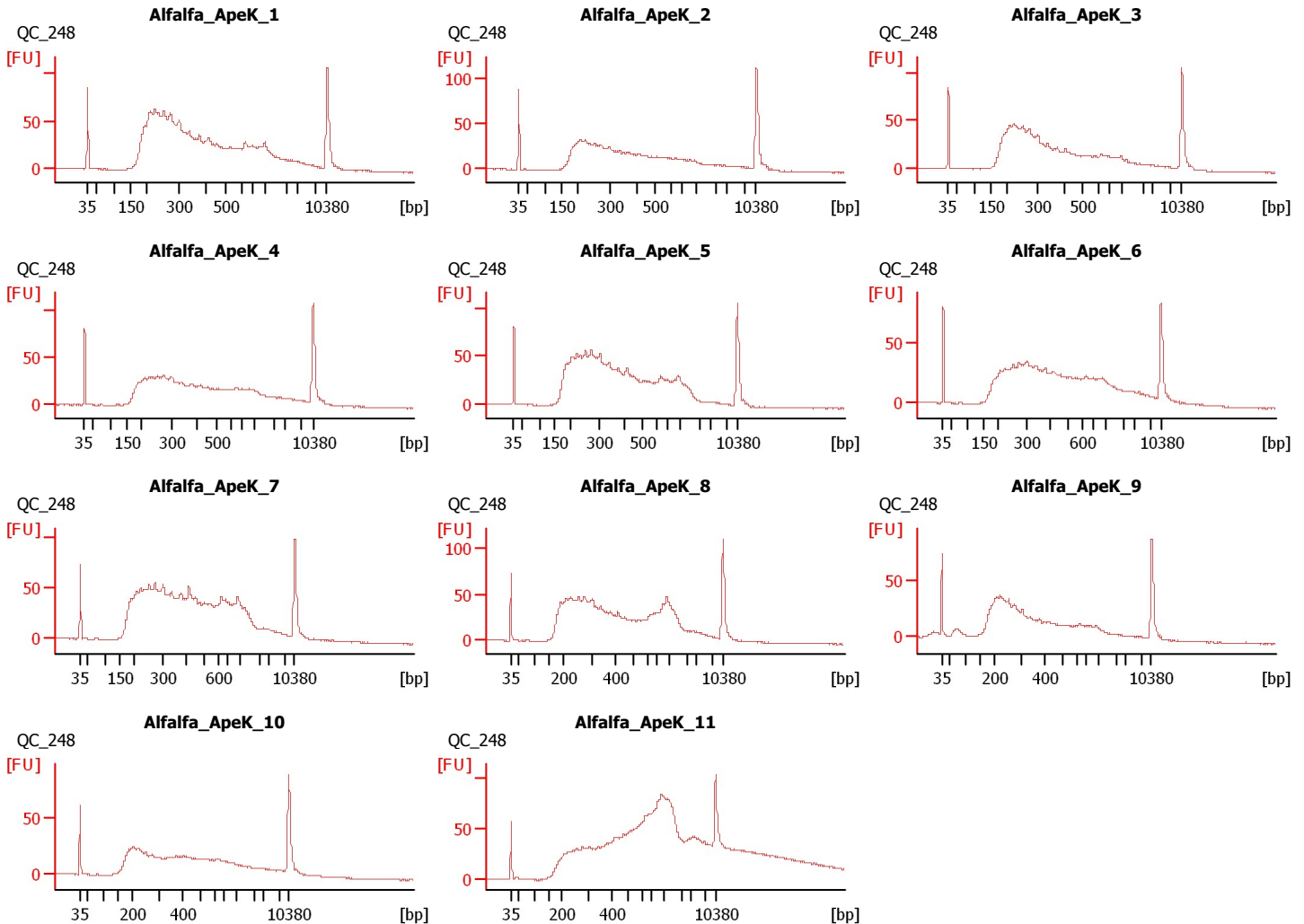
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Alfalpa_ApeK_1	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_2	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_3	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_4	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_5	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_6	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_7	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_8	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_9	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_10	QC_248	<input type="checkbox"/>	✓			
Alfalpa_ApeK_11	QC_248	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

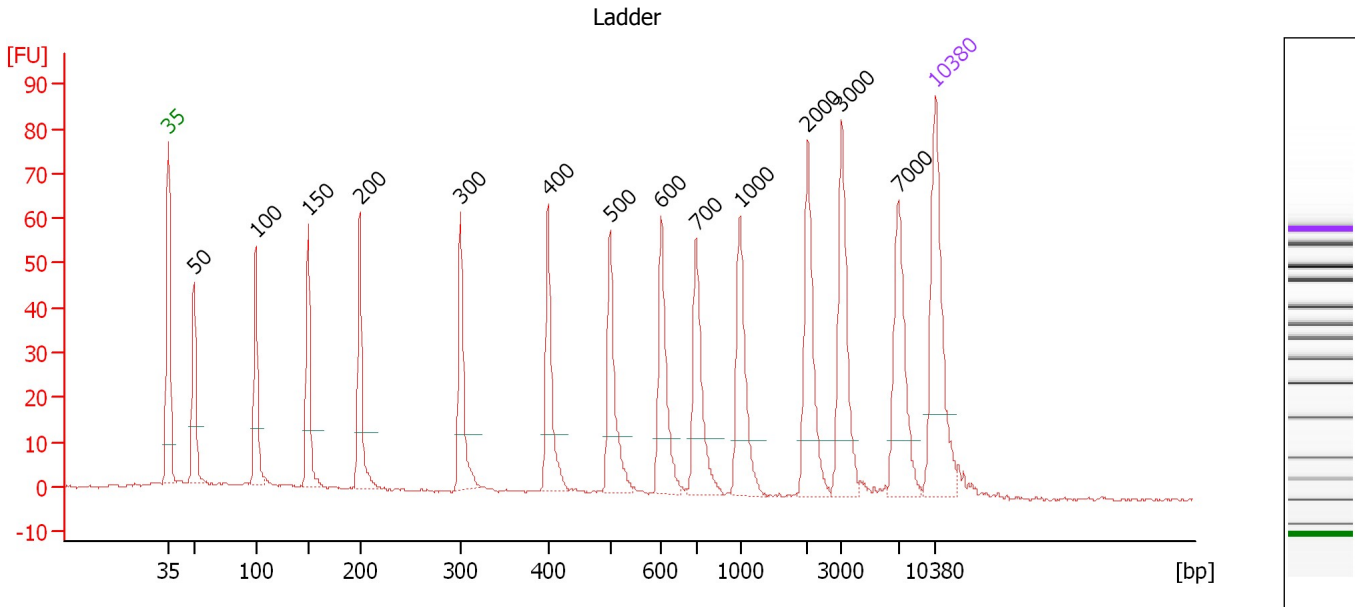
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

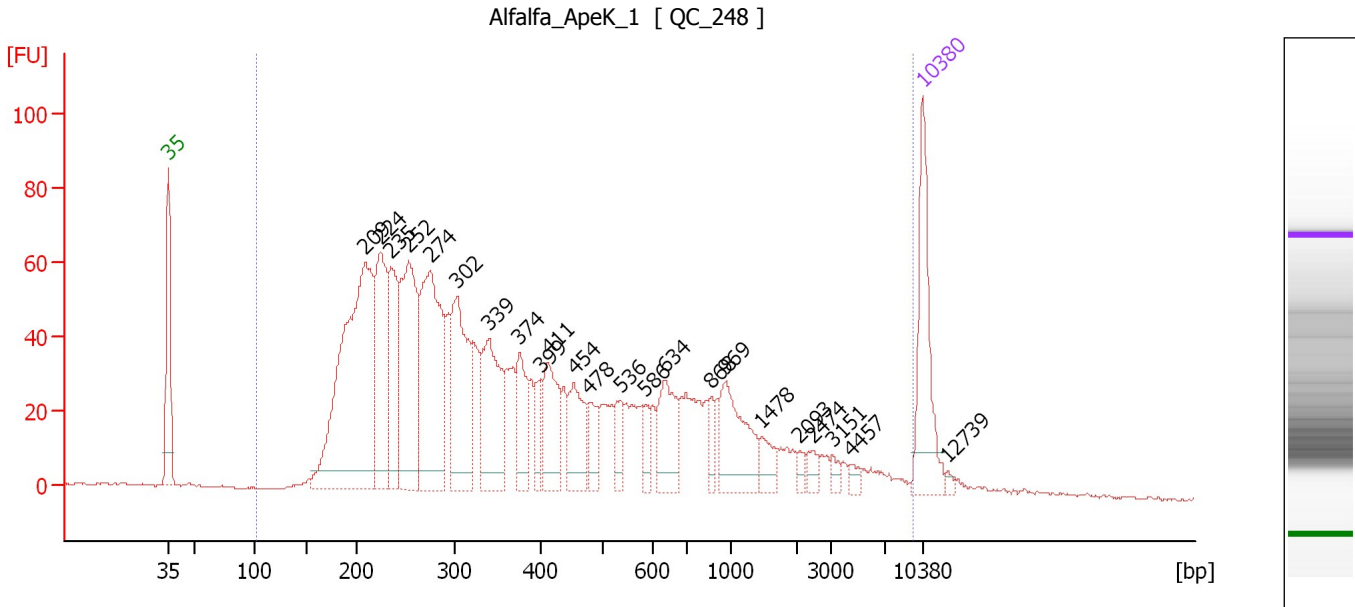
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.74
5	200	150.00	1,136.4	Ladder Peak	60.46
6	300	150.00	757.6	Ladder Peak	69.66
7	400	150.00	568.2	Ladder Peak	77.64
8	500	150.00	454.5	Ladder Peak	83.28
9	600	150.00	378.8	Ladder Peak	87.95
10	700	150.00	324.7	Ladder Peak	91.16
11	1,000	150.00	227.3	Ladder Peak	95.15
12	2,000	150.00	113.6	Ladder Peak	101.33
13	3,000	150.00	75.8	Ladder Peak	104.44
14	7,000	150.00	32.5	Ladder Peak	109.59
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Alfafa ApeK 1

Number of peaks found: 23 Corr. Area 1: 2,118.0
 Noise: 0.3

Peak table for sample 1 : Alfafa ApeK 1


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	209	408.56	2,965.5		61.27
3	224	150.55	1,019.2		62.65
4	235	102.59	662.6		63.64
5	252	192.21	1,154.0		65.28
6	274	211.36	1,169.2		67.26
7	302	142.45	714.3		69.83
8	339	112.52	503.2		72.75
9	374	50.90	206.1		75.57
10	399	24.04	91.3		77.55
11	411	68.99	254.4		78.25
12	454	54.73	182.7		80.67
13	478	27.44	86.9		82.06
14	536	23.67	66.9		84.98
15	586	15.34	39.7		87.31
16	634	55.94	133.7		89.04
17	868	15.01	26.2		93.40
18	969	70.51	110.3		94.73
19	1,478	17.63	18.1		98.10
20	2,093	6.53	4.7		101.61
21	2,474	8.75	5.4		102.80
22	3,151	6.57	3.2		104.63
23	4,457	5.48	1.9		106.32
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,739	0.00	0.0		115.38

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...

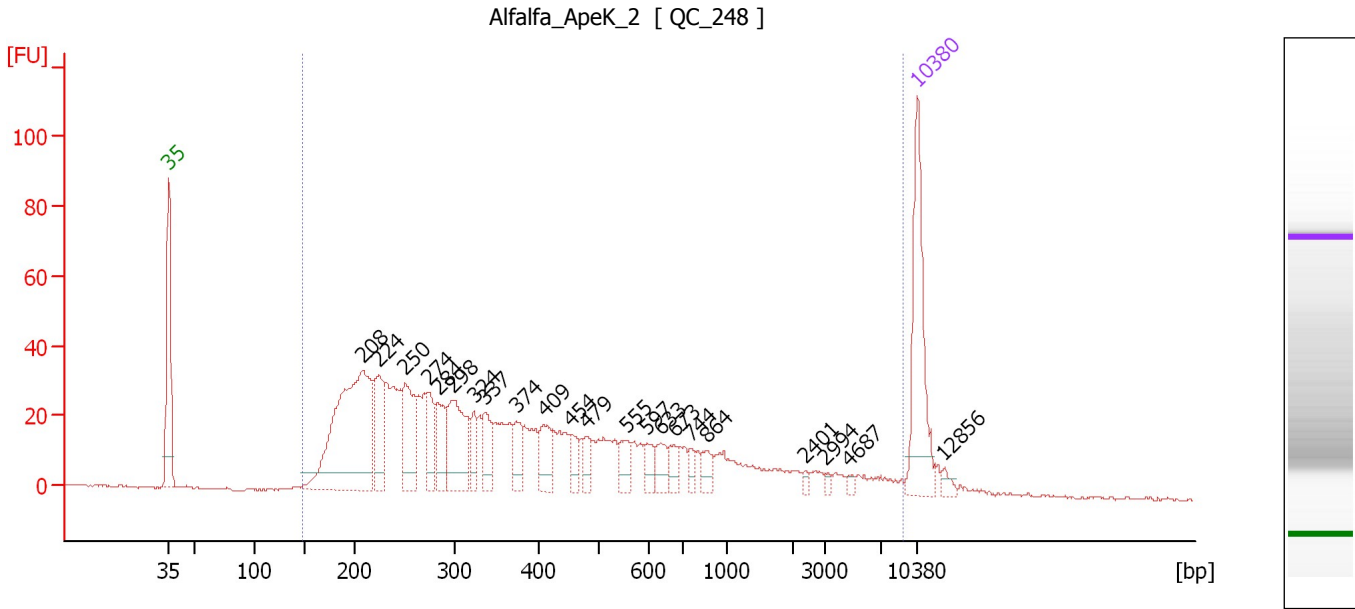
... Region table for sample 1 : AlfaApeK 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
101	9,435	665	2,118.0	2,191.29	10,804.2	 99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Alfafa ApeK 2

Number of peaks found: 22 Corr. Area 1: 1,166.7
 Noise: 0.4

Peak table for sample 2 : Alfafa ApeK 2


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	208	253.44	1,849.8		61.16
3	224	58.81	398.0		62.66
4	250	66.46	402.1		65.10
5	274	30.22	167.2		67.25
6	284	36.76	196.1		68.20
7	298	73.94	375.7		69.49
8	324	20.15	94.2		71.59
9	337	26.71	120.2		72.59
10	374	22.47	91.1		75.53
11	409	26.70	99.0		78.12
12	454	14.80	49.4		80.67
13	479	13.26	42.0		82.07
14	555	17.28	47.2		85.86
15	597	12.68	32.2		87.80
16	633	15.33	36.7		89.00
17	673	12.47	28.1		90.30
18	744	7.68	15.6		91.75
19	864	12.39	21.7		93.34
20	2,401	3.05	1.9		102.57
21	2,994	2.54	1.3		104.42
22	4,687	3.18	1.0		106.61
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,856	0.00	0.0		115.49

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...

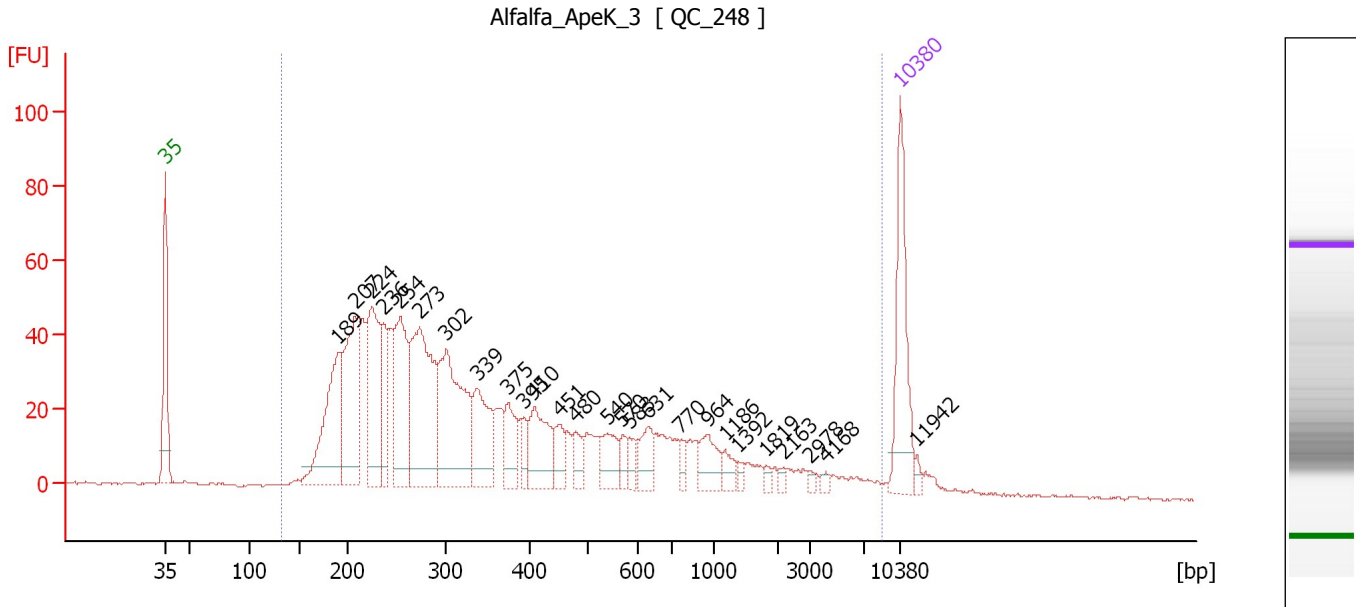
... Region table for sample 2 : Alfa ApeK 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
147	9,110	719	1,166.7	1,164.74	5,812.9	 98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Alfafa ApeK 3

Number of peaks found: 26 Corr. Area 1: 1,453.9
 Noise: 0.4

Peak table for sample 3 : Alfafa ApeK 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	189	149.98	1,200.9		59.45
3	207	141.04	1,031.6		61.12
4	224	131.02	885.2		62.70
5	236	58.10	373.2		63.76
6	254	126.53	756.1		65.39
7	273	193.38	1,071.6		67.21
8	302	165.38	830.2		69.80
9	339	74.27	332.2		72.75
10	375	40.07	161.9		75.64
11	395	18.42	70.7		77.21
12	410	60.96	225.5		78.18
13	451	24.50	82.3		80.51
14	480	18.41	58.1		82.14
15	540	30.85	86.6		85.13
16	570	11.61	30.9		86.55
17	583	13.47	35.0		87.16
18	631	26.03	62.5		88.94
19	770	10.21	20.1		92.09
20	964	27.21	42.8		94.68
21	1,186	11.68	14.9		96.30
22	1,392	4.48	4.9		97.57
23	1,819	4.40	3.7		100.21
24	2,163	3.54	2.5		101.83
25	2,978	3.04	1.5		104.37

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : Alfalfa ApeK 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,168	3.76	1.4		105.94
27	10,380	75.00	10.9	Upper Marker	113.00
28	11,942	0.00	0.0		114.57

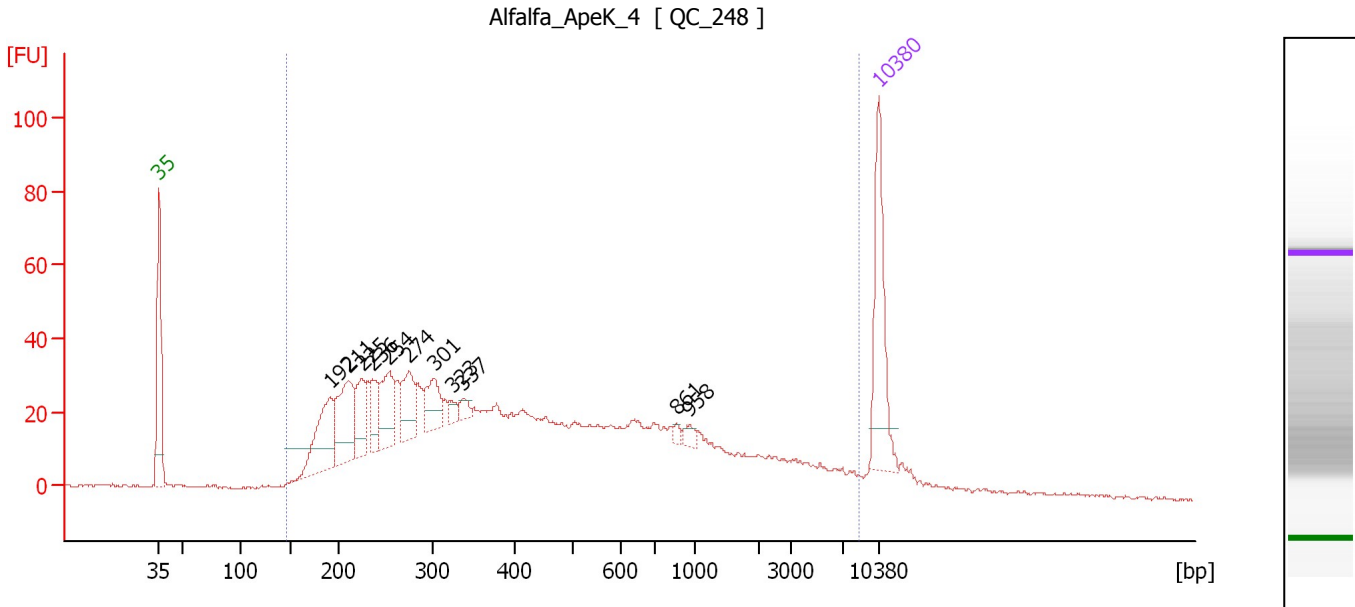
Region table for sample 3 : Alfalfa ApeK 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
132	8,684	614	1,453.9	1,684.04	8,692.5	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : Alfalfa ApeK 4

Number of peaks found: 11 Corr. Area 1: 1,328.1
 Noise: 0.3

Peak table for sample 4 : Alfalfa ApeK 4

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	192	89.42	706.2		59.70
3	211	92.24	662.9		61.46
4	225	43.95	296.0		62.76
5	236	35.94	230.5		63.79
6	254	61.19	365.5		65.40
7	274	48.73	269.5		67.27
8	301	38.20	192.1		69.76
9	323	8.53	40.0		71.52
10	337	9.42	42.4		72.61
11	861	3.85	6.8		93.30
12	958	7.87	12.4		94.59
13	10,380	75.00	10.9	Upper Marker	113.00

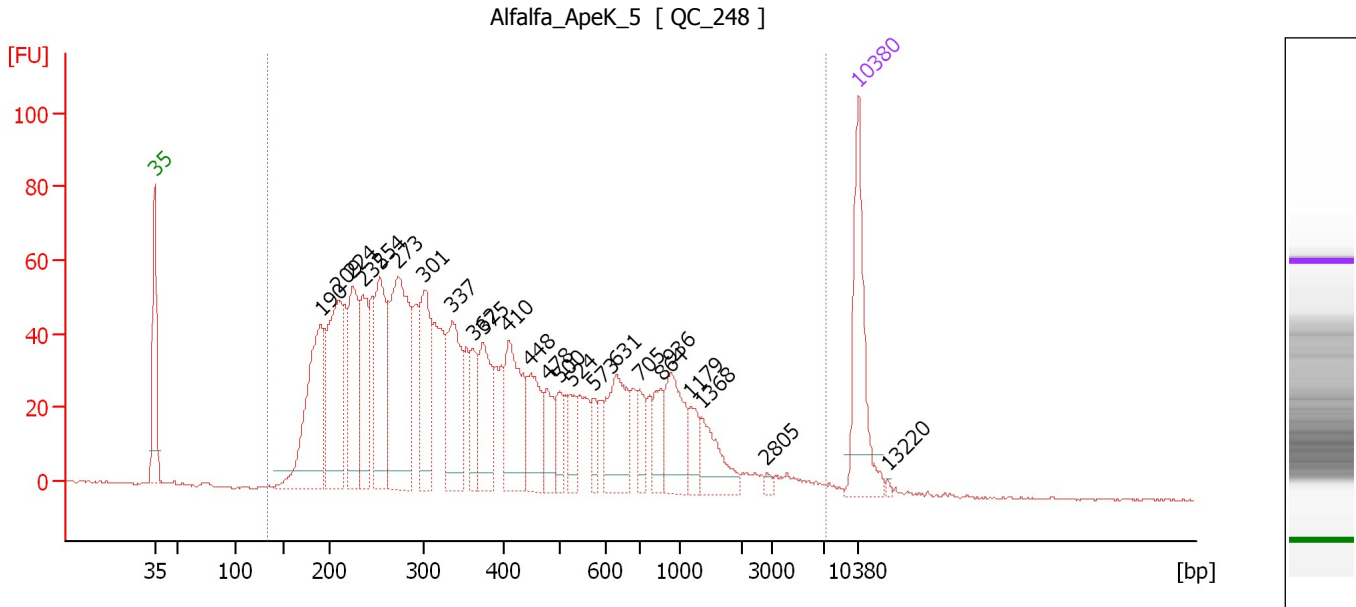
Region table for sample 4 : Alfalfa ApeK 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
147	8,543	800	1,328.1	1,568.79	7,265.1	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Alfafa ApeK 5

Number of peaks found: 24 Corr. Area 1: 2,067.2
 Noise: 0.3

Peak table for sample 5 : Alfafa ApeK 5

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	190	178.36	1,421.3		59.53
3	209	155.24	1,126.0		61.28
4	224	114.34	773.8		62.66
5	235	80.16	515.9		63.72
6	254	114.05	680.7		65.41
7	273	196.71	1,089.9		67.22
8	301	99.24	499.1		69.76
9	337	100.37	451.1		72.62
10	362	35.95	150.3		74.64
11	375	73.00	294.9		75.64
12	410	91.26	337.4		78.19
13	448	57.31	193.7		80.36
14	478	32.83	104.0		82.05
15	500	26.03	78.9		83.27
16	524	23.38	67.6		84.39
17	573	16.89	44.7		86.66
18	631	69.73	167.4		88.94
19	705	23.08	49.6		91.22
20	864	26.57	46.6		93.34
21	936	57.20	92.6		94.29
22	1,179	20.45	26.3		96.26
23	1,368	35.90	39.8		97.42
24	2,805	3.03	1.6		103.83
25	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : Alfalfa ApeK 5**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,220	0.00	0.0		115.86

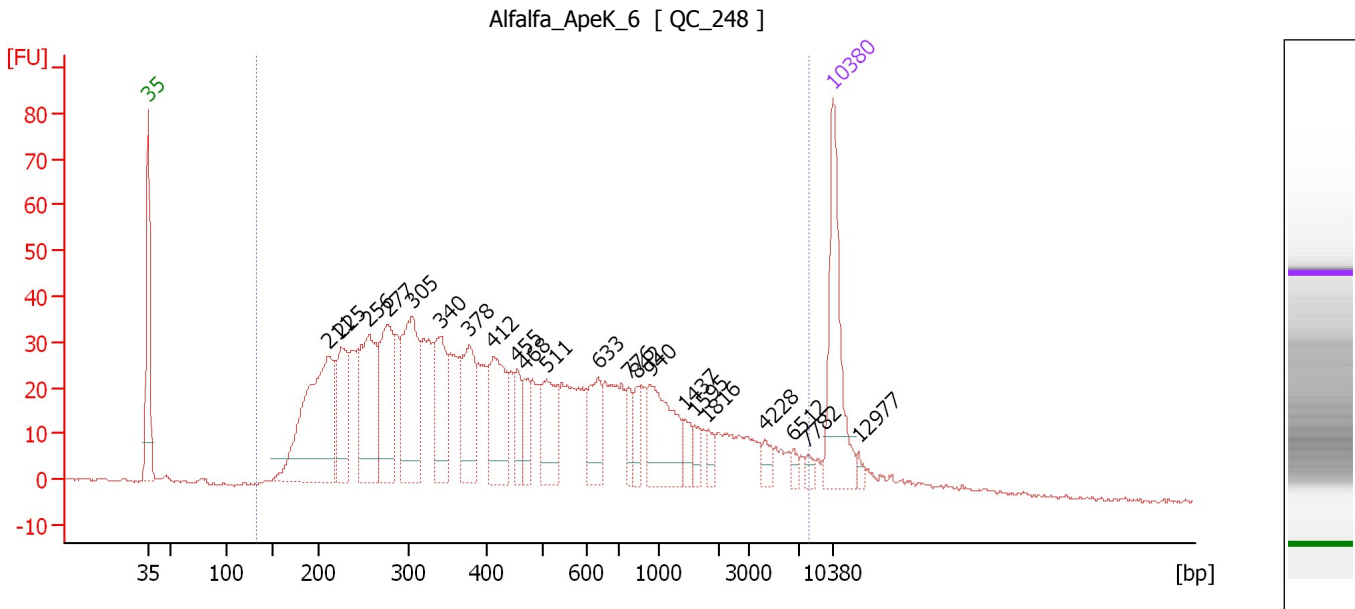
Region table for sample 5 : Alfalfa ApeK 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
134	7,102	533	2,067.2	2,028.17	9,911.8	 99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Alfafa ApeK 6

Number of peaks found: 22 Corr. Area 1: 1,522.9
 Noise: 0.4

Peak table for sample 6 : Alfafa ApeK 6

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	211	207.84	1,492.0		61.48
3	225	71.60	482.8		62.74
4	256	122.66	727.3		65.57
5	277	96.00	525.3		67.53
6	305	120.06	596.8		70.04
7	340	68.96	307.6		72.82
8	378	73.98	296.6		75.87
9	412	72.77	267.5		78.33
10	455	26.25	87.4		80.73
11	468	23.06	74.6		81.49
12	511	51.90	154.0		83.78
13	633	41.76	99.9		89.01
14	776	15.99	31.2		92.17
15	842	18.04	32.5		93.05
16	940	63.78	102.8		94.36
17	1,437	11.99	12.7		97.84
18	1,595	8.31	7.9		98.83
19	1,816	7.95	6.6		100.19
20	4,228	8.64	3.1		106.02
21	6,512	5.00	1.2		108.97
22	7,782	4.88	0.9		110.38
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,977	0.00	0.0		115.62


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...

... Region table for sample 6 :

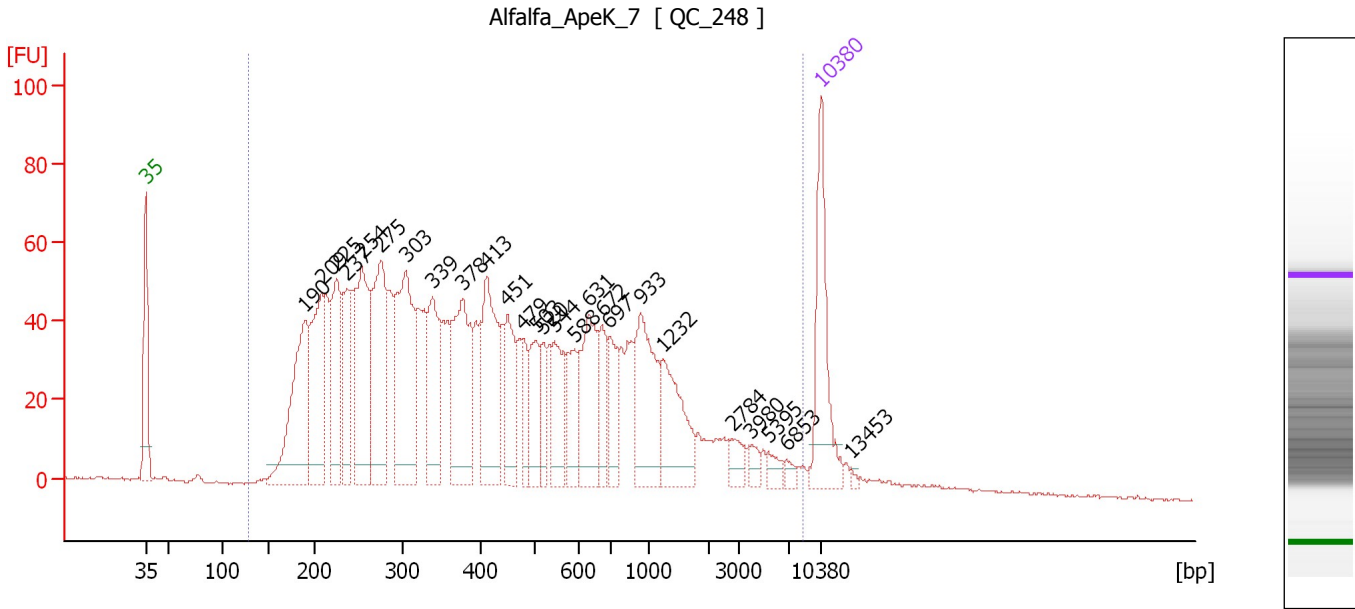
Alfa ApeK 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
132	7,997	811	1,522.9	1,719.04	7,553.6	 96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Alfalfa ApeK 7

Number of peaks found: 26 Corr. Area 1: 2,374.5
 Noise: 0.4

Peak table for sample 7 : Alfalfa ApeK 7

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	190	172.87	1,377.6		59.53
3	209	135.73	986.3		61.25
4	225	103.95	700.8		62.74
5	237	64.89	415.3		63.85
6	254	150.52	899.2		65.39
7	275	151.06	833.3		67.33
8	303	170.11	849.6		69.93
9	339	82.38	368.5		72.75
10	378	128.57	515.0		75.90
11	413	118.35	433.8		78.39
12	451	62.02	208.6		80.49
13	479	30.83	97.5		82.09
14	503	48.53	146.2		83.42
15	520	29.20	85.2		84.19
16	544	57.04	158.7		85.35
17	588	44.49	114.6		87.40
18	631	80.80	194.0		88.95
19	672	37.50	84.5		90.27
20	697	38.99	84.8		91.05
21	933	91.10	147.9		94.26
22	1,232	69.90	86.0		96.58
23	2,784	14.38	7.8		103.77
24	3,980	8.47	3.2		105.70
25	5,395	9.41	2.6		107.53

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : Alfalfa ApeK 7

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,853	4.77	1.1		109.41
27	10,380	75.00	10.9	Upper Marker	113.00
28	13,453	0.00	0.0		116.10

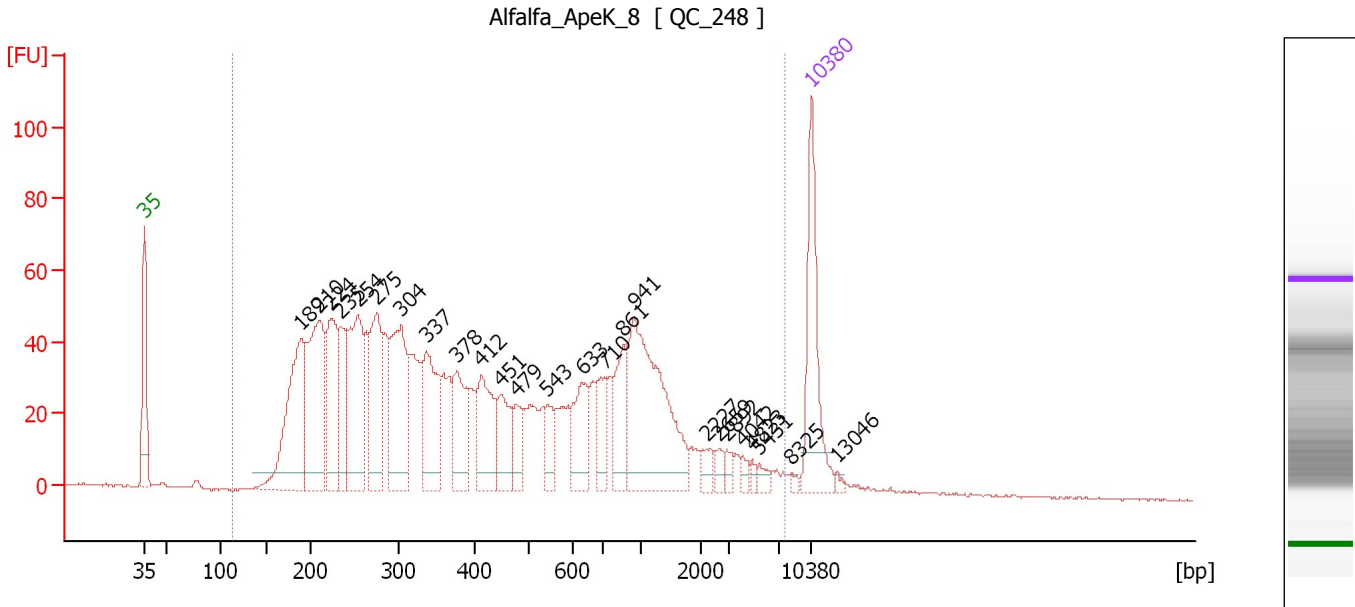
Region table for sample 7 : Alfalfa ApeK 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
129	8,495	707	2,374.5	2,453.80	11,074.1	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

Created: 3/14/2018 10:10:14 AM
 Modified: 3/14/2018 12:01:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Alfafa ApeK 8

Number of peaks found: 25 Corr. Area 1: 1,984.2
 Noise: 0.3

Peak table for sample 8 : Alfafa ApeK 8

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	189	175.52	1,405.0		59.45
3	210	168.57	1,218.1		61.35
4	224	110.35	747.5		62.64
5	235	74.01	477.9		63.65
6	254	135.48	807.8		65.44
7	275	105.48	580.3		67.40
8	304	125.99	628.1		69.97
9	337	89.81	403.9		72.60
10	378	65.58	263.2		75.85
11	412	67.18	247.1		78.31
12	451	45.75	153.8		80.49
13	479	26.20	82.8		82.11
14	543	24.09	67.2		85.30
15	633	49.74	119.1		89.00
16	710	34.84	74.4		91.29
17	861	43.00	75.6		93.30
18	941	167.65	269.8		94.37
19	2,227	10.81	7.4		102.03
20	2,659	7.27	4.1		103.38
21	2,892	6.80	3.6		104.10
22	4,042	5.58	2.1		105.78
23	4,823	3.76	1.2		106.79
24	5,431	5.98	1.7		107.57
25	8,325	2.52	0.5		110.93

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : Alfalfa ApeK 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	13,046	0.00	0.0		115.69

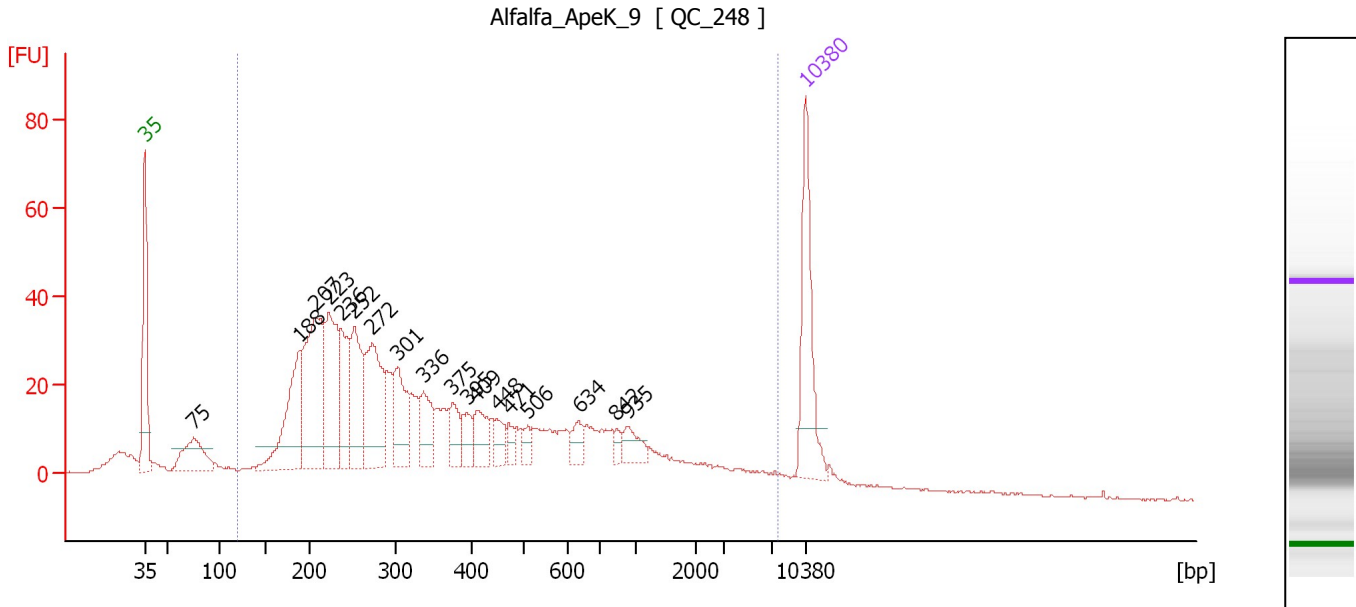
Region table for sample 8 : Alfalfa ApeK 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
113	7,649	703	1,984.2	1,934.43	9,009.6	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Alfa_ApeK_9

Number of peaks found: 18 Corr. Area 1: 1,121.1
 Noise: 0.3

Peak table for sample 9 : Alfa_ApeK_9

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	75	70.12	1,409.0		48.20
3	188	117.79	948.8		59.34
4	207	181.91	1,332.4		61.09
5	223	122.92	835.8		62.56
6	236	72.90	467.3		63.81
7	252	95.84	576.8		65.22
8	272	113.12	630.0		67.09
9	301	66.17	333.0		69.74
10	336	41.65	187.9		72.52
11	375	27.64	111.8		75.63
12	395	21.38	82.1		77.21
13	409	31.11	115.1		78.17
14	448	19.17	64.9		80.32
15	471	13.13	42.3		81.62
16	506	12.15	36.4		83.54
17	634	15.36	36.7		89.03
18	842	6.25	11.2		93.04
19	935	19.09	30.9		94.28
20	10,380	75.00	10.9	Upper Marker	113.00

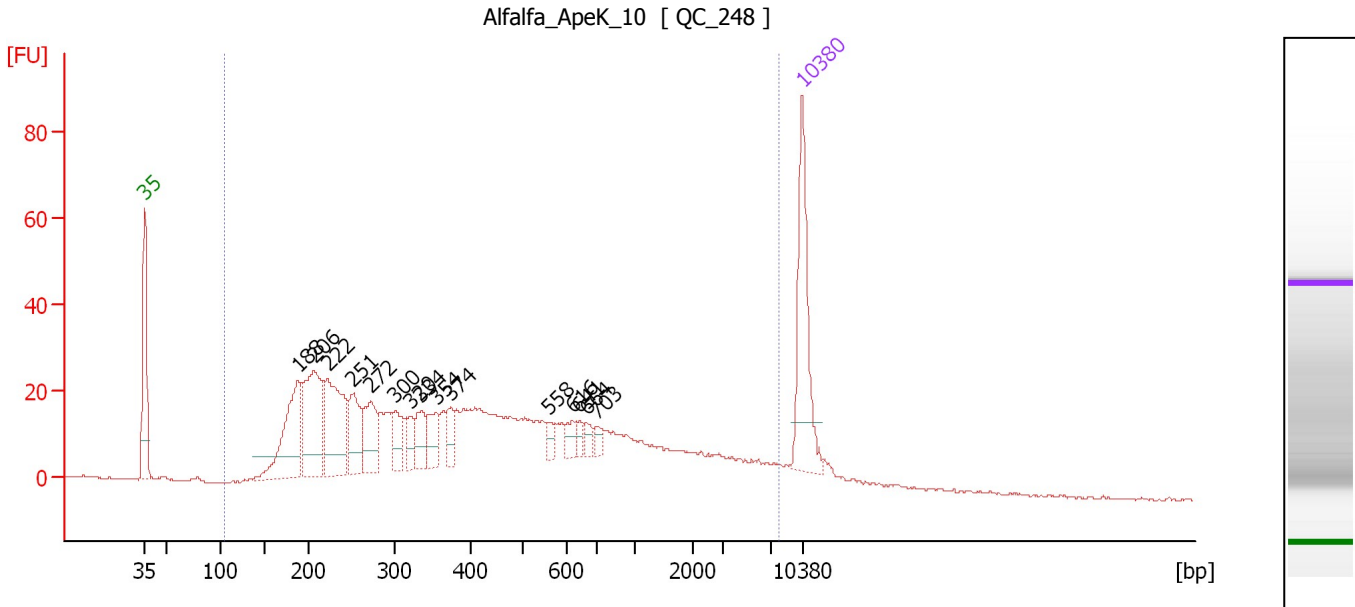
Region table for sample 9 : Alfa_ApeK_9

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
119	7,485	596	1,121.1	1,497.61	7,859.4	89	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Alfalfa_ApeK_10

Number of peaks found: 15 Corr. Area 1: 973.7
 Noise: 0.2

Peak table for sample 10 : Alfalfa_ApeK_10

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	188	114.63	925.8		59.29
3	206	125.30	922.5		61.00
4	222	109.32	746.6		62.47
5	251	54.01	325.4		65.20
6	272	47.92	267.1		67.07
7	300	30.44	153.6		69.68
8	320	15.80	74.9		71.22
9	334	26.11	118.3		72.41
10	354	25.51	109.0		74.00
11	374	17.74	71.8		75.59
12	558	9.74	26.4		85.98
13	616	11.60	28.5		88.47
14	641	7.22	17.1		89.27
15	664	8.51	19.4		90.01
16	703	7.61	16.4		91.20
17	10,380	75.00	10.9	Upper Marker	113.00

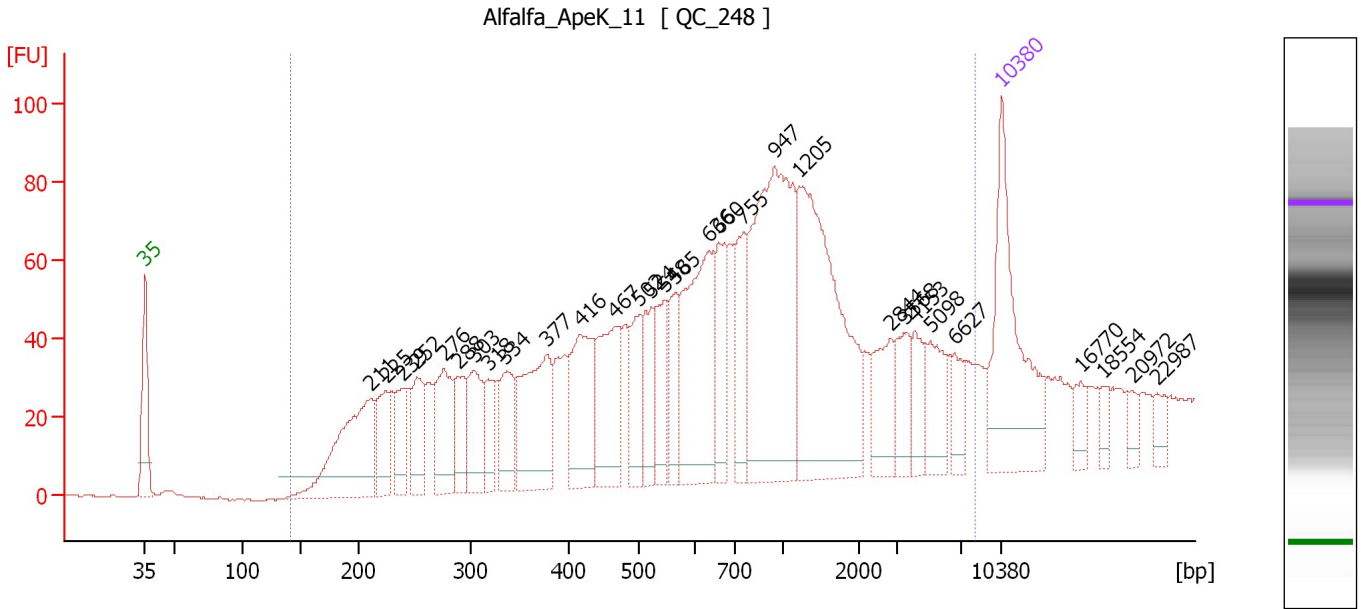
Region table for sample 10 : Alfalfa_ApeK_10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
106	7,874	814	973.7	1,212.66	5,726.9	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Alfalfa_ApeK_11

Number of peaks found: 40 Corr. Area 1: 2,343.5
 Noise: 0.2

Peak table for sample 11 : Alfalfa_ApeK_11

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	211	100.90	725.8		61.44
3	225	32.55	219.6		62.72
4	239	27.59	174.9		64.05
5	252	35.53	213.4		65.27
6	276	48.89	268.8		67.42
7	288	26.78	140.8		68.58
8	303	40.75	203.7		69.91
9	318	23.99	114.4		71.07
10	334	37.63	170.5		72.40
11	377	73.51	295.2		75.83
12	416	62.30	226.8		78.55
13	467	60.06	195.0		81.39
14	502	29.78	89.9		83.36
15	524	31.75	91.8		84.41
16	548	30.18	83.5		85.51
17	565	25.29	67.8		86.32
18	636	94.06	224.1		89.11
19	660	41.06	94.3		89.86
20	755	39.12	78.5		91.89
21	947	161.28	258.1		94.44
22	1,205	146.52	184.2		96.41
23	2,844	26.32	14.0		103.95
24	3,568	20.18	8.6		105.17
25	4,153	18.04	6.6		105.92

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : Alfalfa ApeK 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,098	22.96	6.8		107.14
27	6,627	12.92	3.0		109.11
28	10,380	75.00	10.9	Upper Marker	113.00
29	16,770	0.00	0.0		119.44
30	18,554	0.00	0.0		121.24
31	20,972	0.00	0.0		123.67
32	22,987	0.00	0.0		125.70
33	29,262	0.00	0.0		132.02
34	30,125	0.00	0.0		132.89
35	31,449	0.00	0.0		134.23
36	32,486	0.00	0.0		135.27
37	33,407	0.00	0.0		136.20
38	34,961	0.00	0.0		137.76
39	36,112	0.00	0.0		138.92
40	40,833	0.00	0.0		143.68
41	41,927	0.00	0.0		144.78
42	43,769	0.00	0.0		146.64

Region table for sample 11 : Alfalfa ApeK 11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
141	8,250	1,259	2,343.5	1,365.23	4,435.4	86	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_001.xad

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Gel Image

