

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\Bioanalyzer\2013-10-25\RWM.xad

Created: 10/25/2013 10:52:28 AM
Modified: 10/25/2013 11:37:06 AM

Electrophoresis File Run Summary

Instrument Information:

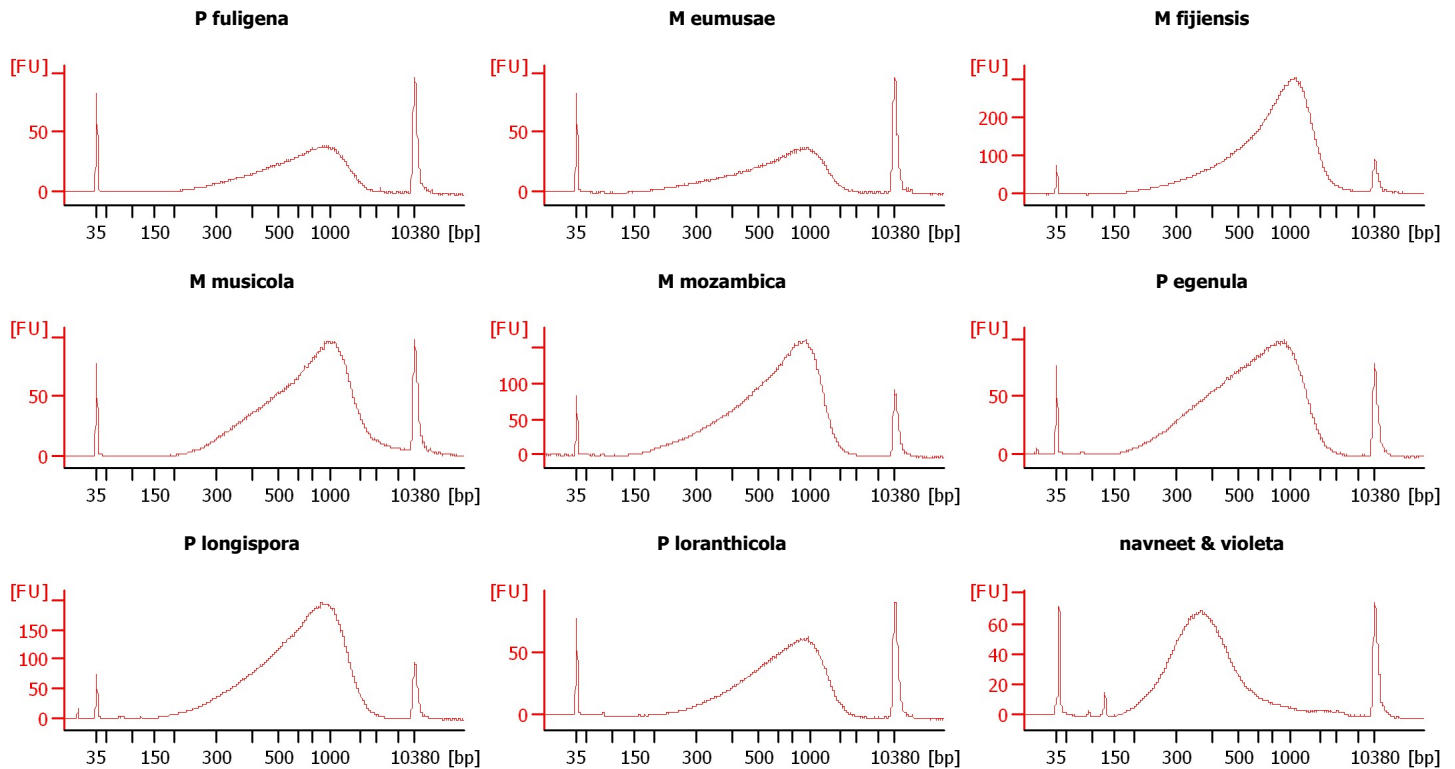
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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
P fuligena		<input type="checkbox"/>	✓			
M eumusae		<input type="checkbox"/>	✓			
M fijiensis		<input type="checkbox"/>	✓			
M musicola		<input type="checkbox"/>	✓			
M mozambica		<input type="checkbox"/>	✓			
P egenula		<input type="checkbox"/>	✓			
P longispora		<input type="checkbox"/>	✓			
P loranthicola		<input type="checkbox"/>	✓			
navneet & violeta		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

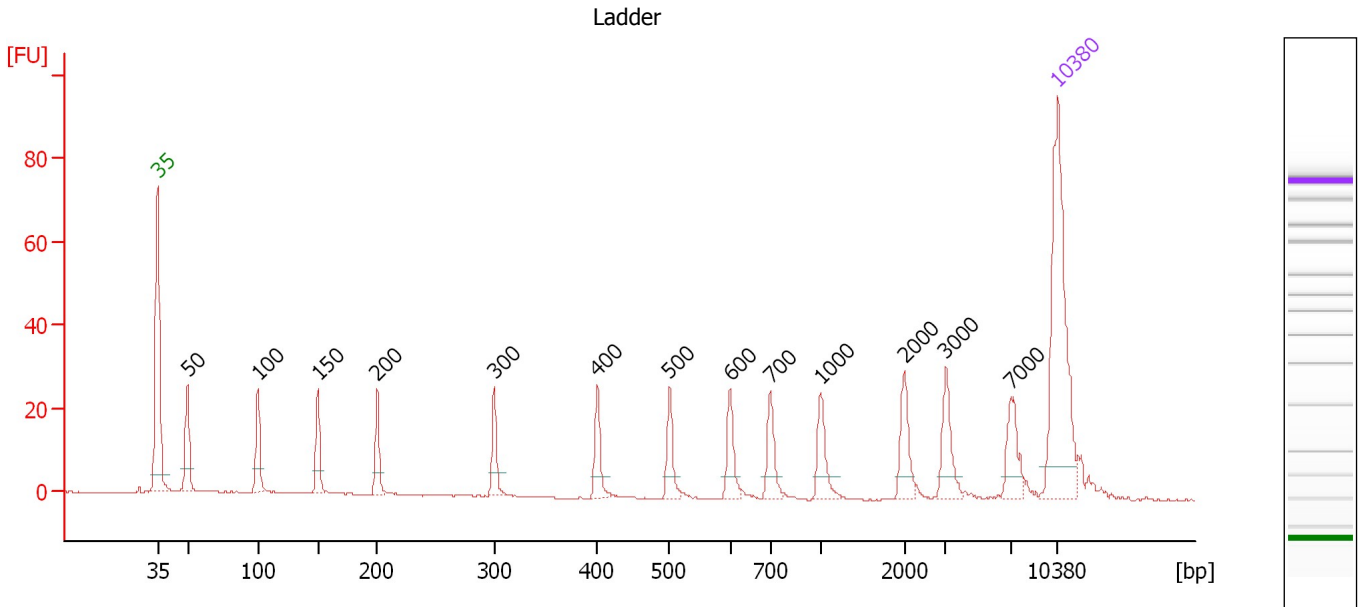
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

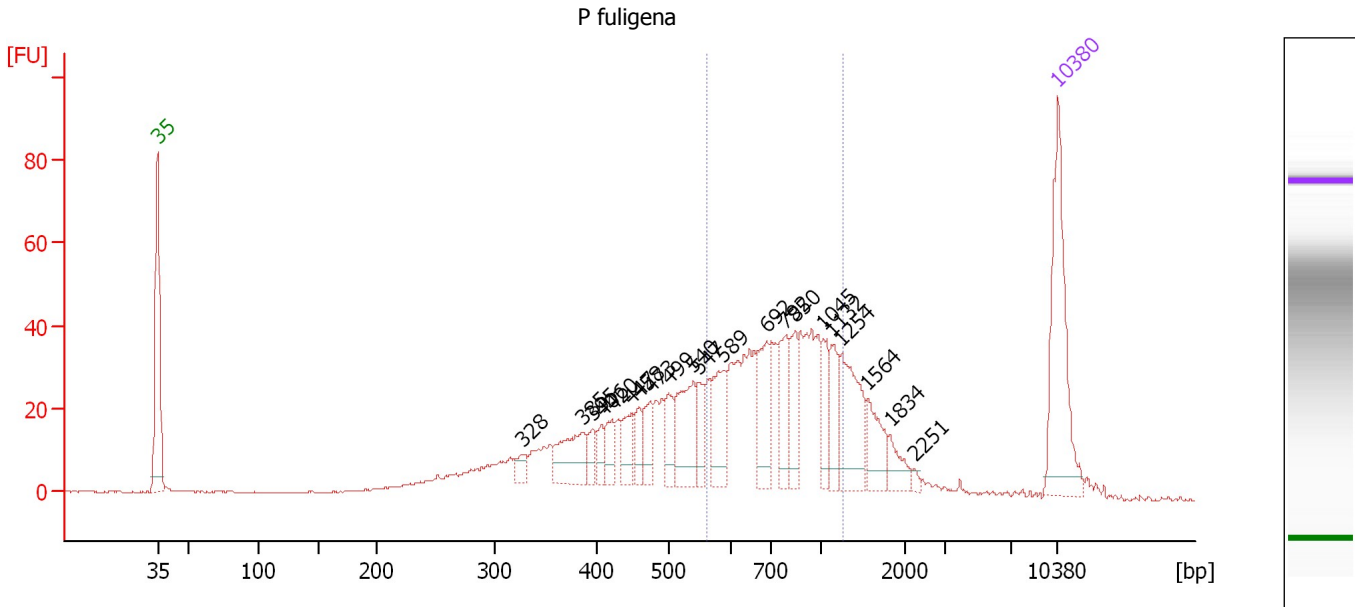
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 1 : P fuligena

Number of peaks found: 21 Corr. Area 1: 430.7
 Noise: 0.2

Peak table for sample 1 : P fuligena

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	328	11.04	51.1	
3	385	40.60	159.6	
4	395	11.08	42.5	
5	406	12.64	47.2	
6	420	15.43	55.7	
7	447	20.65	70.0	
8	458	15.95	52.8	
9	473	20.39	65.4	
10	499	20.99	63.8	
11	540	48.71	136.8	
12	547	18.51	51.3	
13	589	36.75	94.5	
14	692	38.80	85.0	
15	792	30.48	58.3	
16	850	26.78	47.8	
17	1,045	19.04	27.6	
18	1,132	23.43	31.3	
19	1,254	51.19	61.9	
20	1,564	24.82	24.0	
21	1,834	12.90	10.7	
22	2,251	2.48	1.7	
23	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...

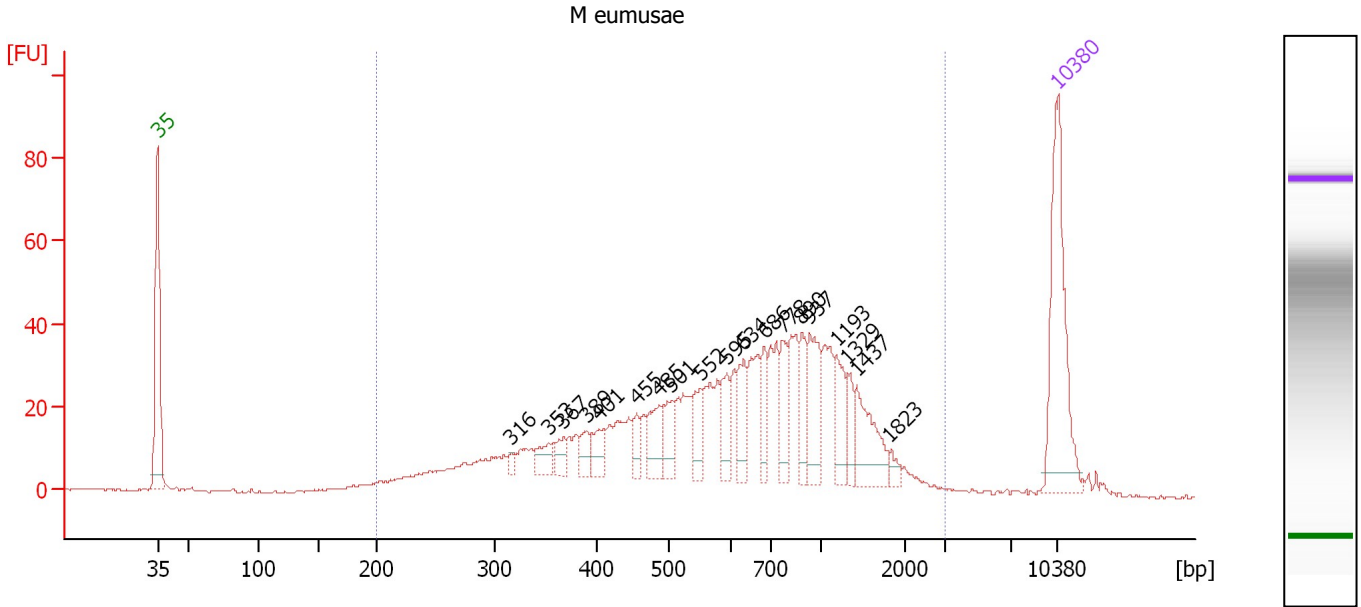
... Region table for sample 1 : P fuligena

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
560	1,278	804	798.2	396.76	430.7	43	24.4	■

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Electropherogram Summary Continued ...



Overall Results for sample 2 : M eumusae

Number of peaks found: 19 Corr. Area 1: 923.4
 Noise: 0.2

Peak table for sample 2 : M eumusae

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	316	4.45	21.3	
3	353	13.67	58.7	
4	367	11.47	47.3	
5	389	11.99	46.7	
6	401	15.67	59.2	
7	455	11.69	38.9	
8	485	24.74	77.2	
9	501	22.07	66.7	
10	552	20.42	56.0	
11	595	20.06	51.1	
12	634	23.77	56.8	
13	686	19.19	42.4	
14	778	22.82	44.5	
15	890	19.41	33.1	
16	937	36.78	59.5	
17	1,193	21.07	26.7	
18	1,329	13.36	15.2	
19	1,437	34.54	36.4	
20	1,823	5.38	4.5	
21	10,380	75.00	10.9	Upper Marker

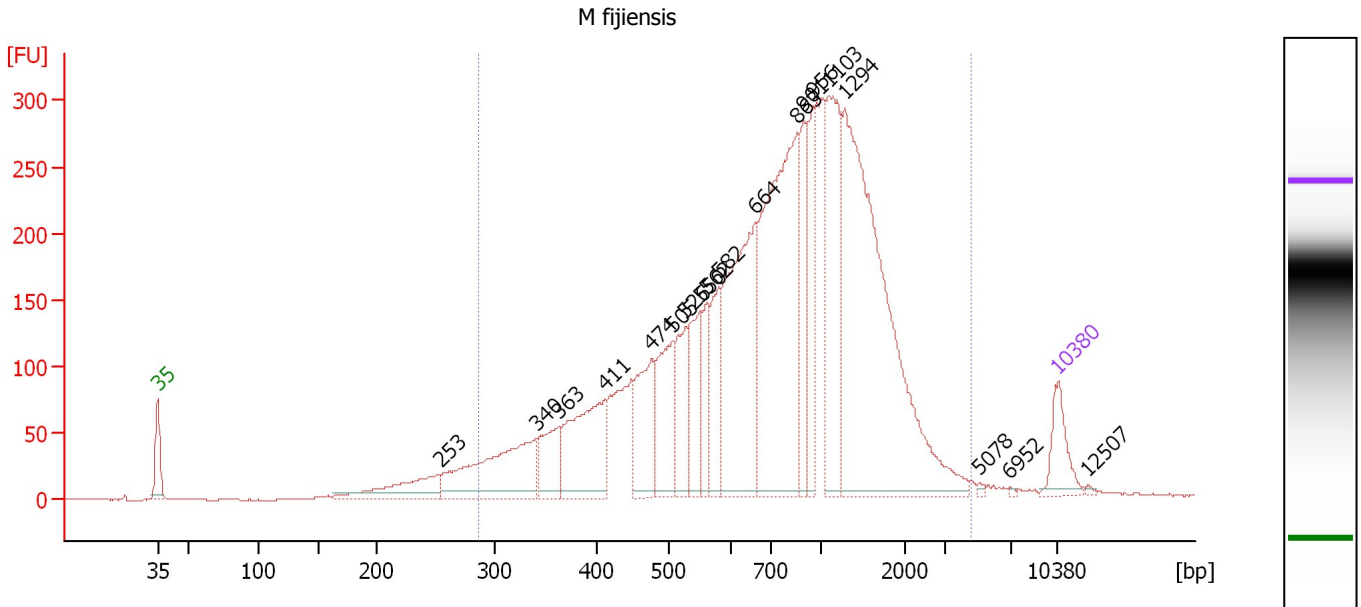
Region table for sample 2 : M eumusae

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	2,974	750	2,494.0	855.01	923.4	97	56.8	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : M fijiensis

Number of peaks found: 19 Corr. Area 1: 5,667.7
 Noise: 0.2

Peak table for sample 3 : M fijiensis

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	253	153.09	915.2	
3	340	354.59	1,578.3	
4	363	130.09	543.6	
5	411	309.56	1,141.5	
6	474	202.89	648.0	
7	505	215.34	646.7	
8	526	152.51	439.0	
9	550	166.93	459.7	
10	562	102.10	275.5	
11	582	135.12	352.1	
12	664	570.37	1,302.0	
13	863	776.43	1,362.5	
14	901	168.48	283.3	
15	956	180.68	286.4	
16	1,103	332.35	456.4	
17	1,294	1,008.11	1,180.1	
18	5,078	4.20	1.3	
19	6,952	2.71	0.6	
20	10,380	75.00	10.9	Upper Marker
21	12,507	0.00	0.0	

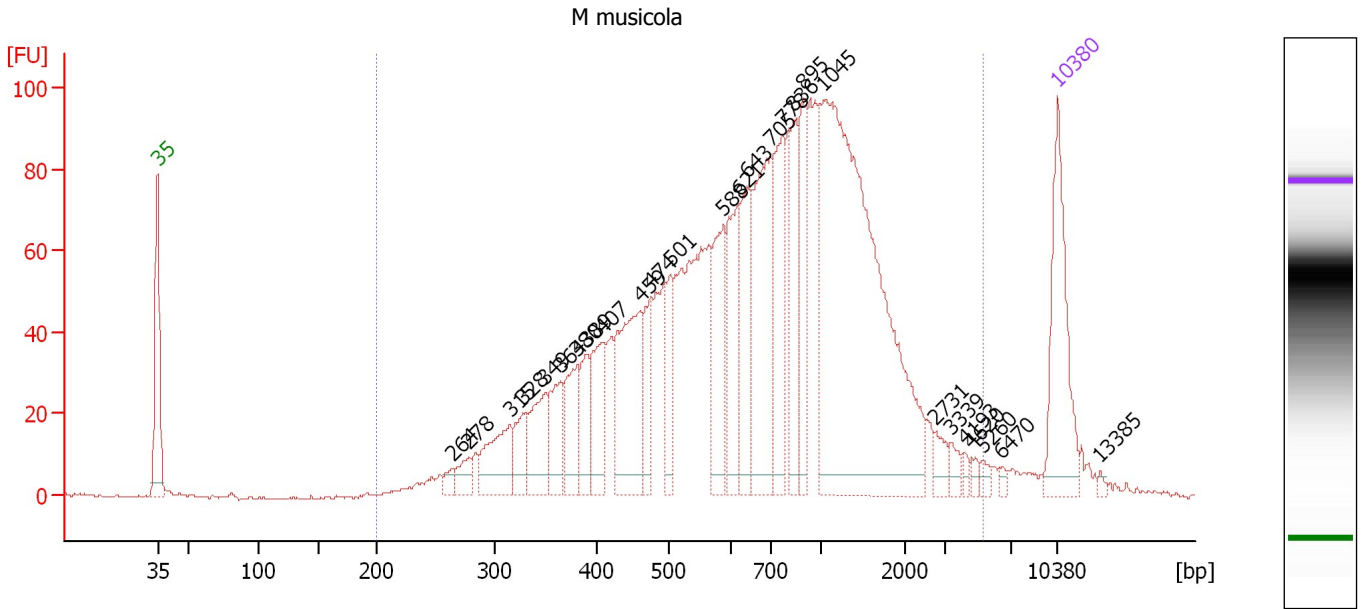
Region table for sample 3 : M fijiensis

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
287	4,586	940	11,815.9	5,129.13	5,667.7	95	57.8	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : M musicola

Number of peaks found: 27 Corr. Area 1: 2,288.9
 Noise: 0.4

Peak table for sample 4 : M musicola


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	8.37	48.1	
3	278	17.25	94.0	
4	315	55.41	266.7	
5	328	28.60	132.0	
6	349	50.27	218.0	
7	364	43.82	182.4	
8	380	44.27	176.4	
9	389	34.89	136.1	
10	407	54.77	204.0	
11	459	114.45	377.9	
12	474	37.34	119.4	
13	501	38.81	117.3	
14	588	70.11	180.5	
15	621	71.45	174.2	
16	643	70.14	165.3	
17	705	137.23	294.9	
18	778	74.77	145.7	
19	836	53.60	97.1	
20	895	57.59	97.5	
21	1,045	424.62	615.9	
22	2,731	10.98	6.1	
23	3,339	8.26	3.7	
24	4,193	4.01	1.4	
25	4,620	4.35	1.4	
26	5,260	5.09	1.5	

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Electropherogram Summary Continued ...

... Peak table for sample 4 : M musicola

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	6,470	2.71	0.6	
28	 10,380	75.00	10.9	Upper Marker
29	13,385	0.00	0.0	

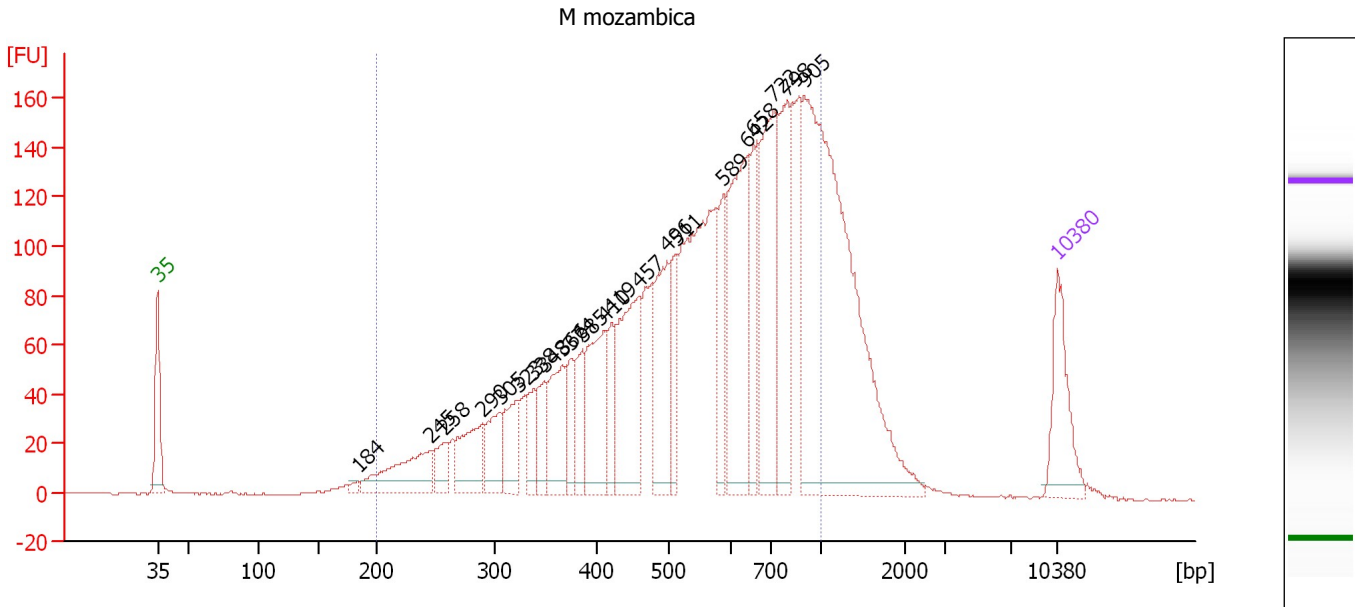
Region table for sample 4 : M musicola

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	5,312	910	5,062.0	1,970.59	2,288.9	97	72.1	

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Electropherogram Summary Continued ...



Overall Results for sample 5 : M mozambica

Number of peaks found: 22 Corr. Area 1: 3,177.9
 Noise: 0.3

Peak table for sample 5 : M mozambica

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	184	6.73	55.6	
3	245	116.32	718.7	
4	258	38.24	224.9	
5	290	89.34	467.3	
6	305	65.45	325.0	
7	323	64.41	302.6	
8	338	48.31	216.8	
9	348	53.45	232.8	
10	366	95.69	396.4	
11	374	44.99	182.5	
12	385	52.74	207.6	
13	410	136.32	504.2	
14	419	49.09	177.4	
15	457	180.99	600.0	
16	496	132.59	404.7	
17	511	64.04	189.9	
18	589	76.00	195.6	
19	642	228.24	538.3	
20	658	81.84	188.3	
21	722	208.85	438.5	
22	798	147.42	280.0	
23	905	649.12	1,086.5	
24	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...

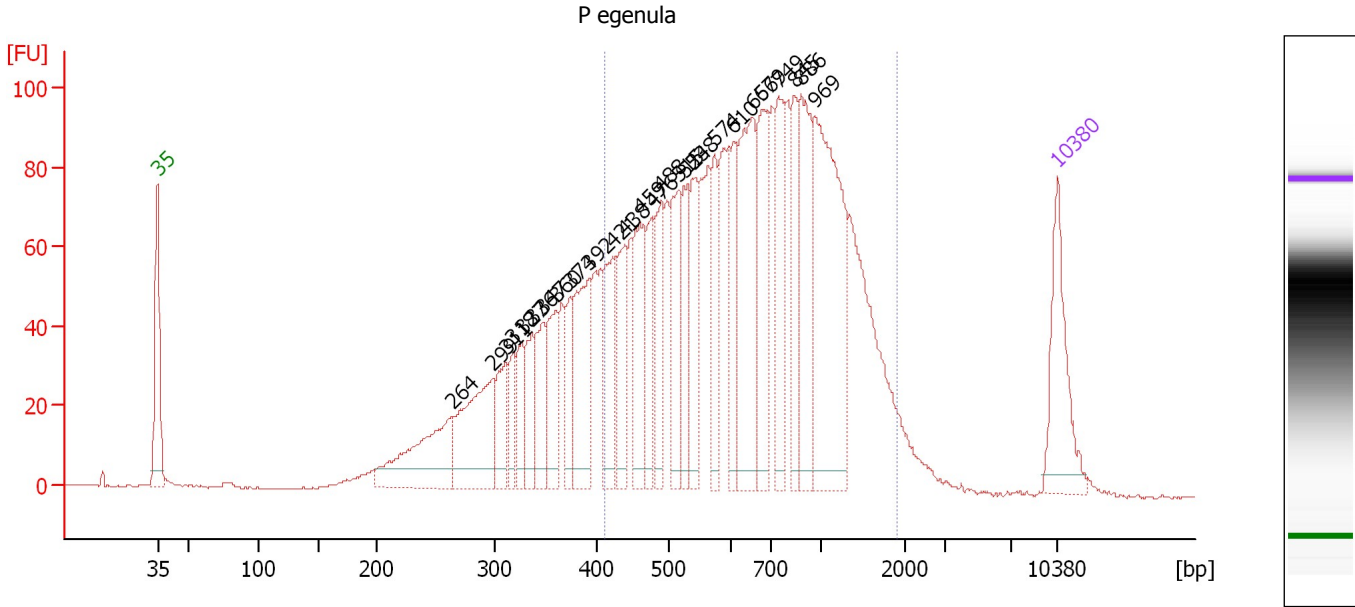
... Region table for sample 5 : M mozambica

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	573	9,313.7	2,903.35	3,177.9	84	34.0	■

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Electropherogram Summary Continued ...



Overall Results for sample 6 : P. egenula

Number of peaks found: 26 Corr. Area 1: 2,009.0
 Noise: 0.2

Peak table for sample 6 : P. egenula

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	132.27	760.5	
3	299	134.70	682.9	
4	311	52.93	257.8	
5	318	34.49	164.2	
6	327	41.79	193.8	
7	336	49.05	221.1	
8	347	57.46	251.1	
9	360	66.26	279.2	
10	374	43.08	174.8	
11	392	102.13	394.8	
12	421	77.84	280.0	
13	438	73.27	253.4	
14	459	90.88	300.1	
15	476	62.71	199.5	
16	488	69.61	216.0	
17	515	84.14	247.7	
18	524	58.08	167.9	
19	538	71.62	201.9	
20	574	58.54	154.6	
21	610	68.70	170.8	
22	656	158.47	366.3	
23	679	105.40	235.3	
24	749	91.00	184.2	
25	845	62.51	112.1	
26	886	110.35	188.6	

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Electropherogram Summary Continued ...**... Peak table for sample 6 : P egenula**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	969	229.81	359.3	
28	▶ 10,380	75.00	10.9	Upper Marker

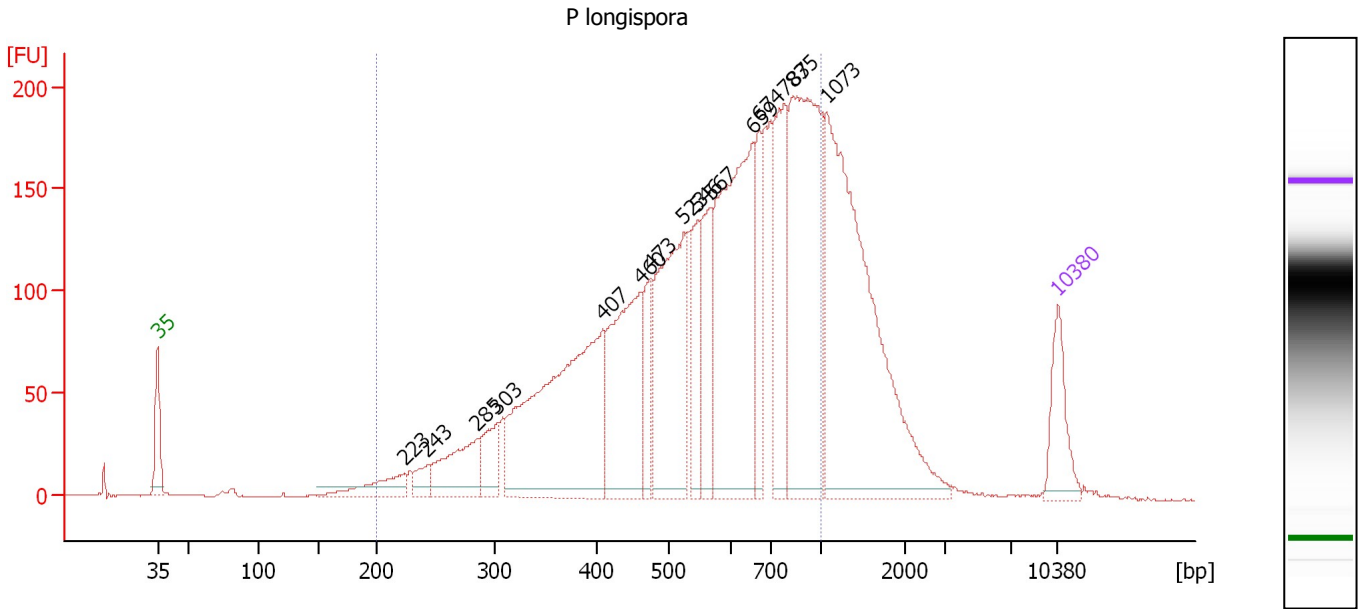
Region table for sample 6 : P egenula

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
409	1,921	778	4,744.1	2,017.17	2,009.0	71	44.0	■

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Electropherogram Summary Continued ...



Overall Results for sample 7 : P longispora

Number of peaks found: 15 Corr. Area 1: 3,780.1
 Noise: 0.2

Peak table for sample 7 : P longispora

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	223	75.11	510.3	
3	243	34.94	218.0	
4	285	141.52	751.2	
5	303	74.09	371.0	
6	407	590.09	2,195.6	
7	460	321.86	1,061.2	
8	473	85.05	272.3	
9	523	346.27	1,003.4	
10	546	119.38	331.3	
11	567	140.93	376.5	
12	659	530.99	1,220.2	
13	674	106.46	239.4	
14	787	216.14	416.3	
15	835	512.72	930.0	
16	1,073	657.28	927.9	
17	10,380	75.00	10.9	Upper Marker

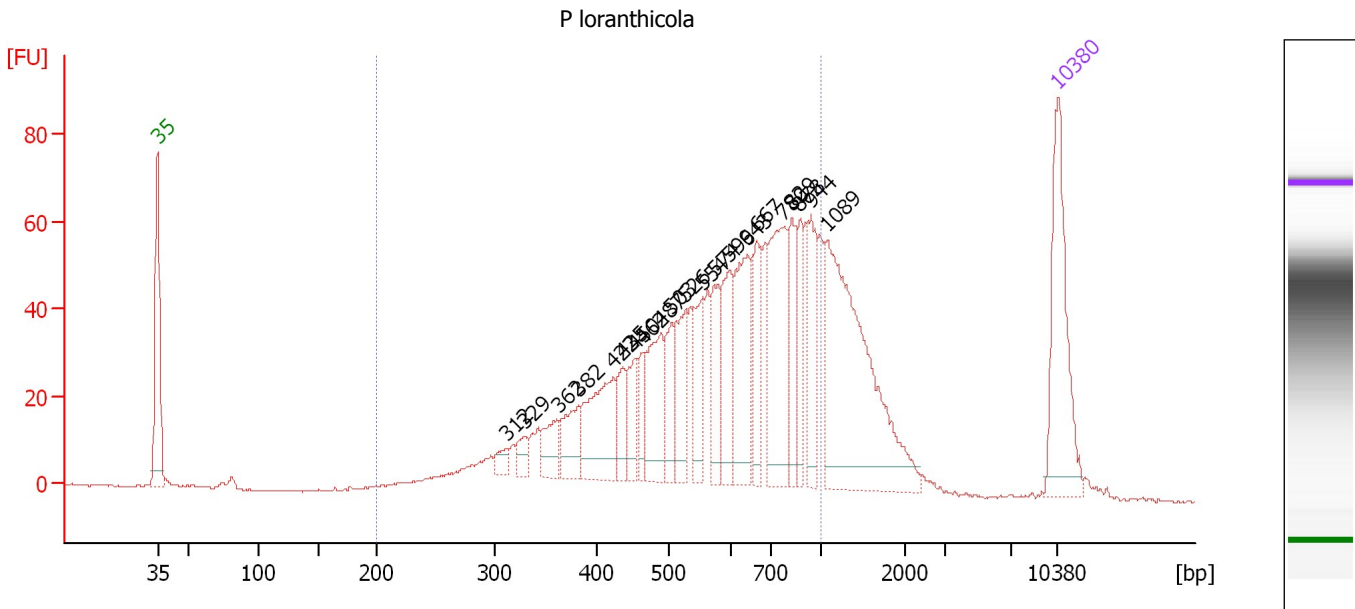
Region table for sample 7 : P longispora

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	580	10,949.3	3,504.79	3,780.1	79	33.0	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 8 : P loranthicola

Number of peaks found: 21 Corr. Area 1: 1,141.8
 Noise: 0.2

Peak table for sample 8 : P loranthicola

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	9.91	48.2	
3	329	12.31	56.6	
4	362	23.19	97.1	
5	382	32.03	127.2	
6	422	70.72	253.8	
7	435	25.55	89.0	
8	450	27.30	91.8	
9	462	21.13	69.2	
10	487	56.17	174.6	
11	503	32.24	97.1	
12	526	45.51	131.0	
13	554	35.06	95.8	
14	574	37.36	98.7	
15	599	46.94	118.8	
16	643	74.22	174.8	
17	667	41.30	93.9	
18	780	92.03	178.8	
19	829	36.92	67.5	
20	878	33.44	57.7	
21	944	41.94	67.3	
22	1,089	186.55	259.6	
23	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...

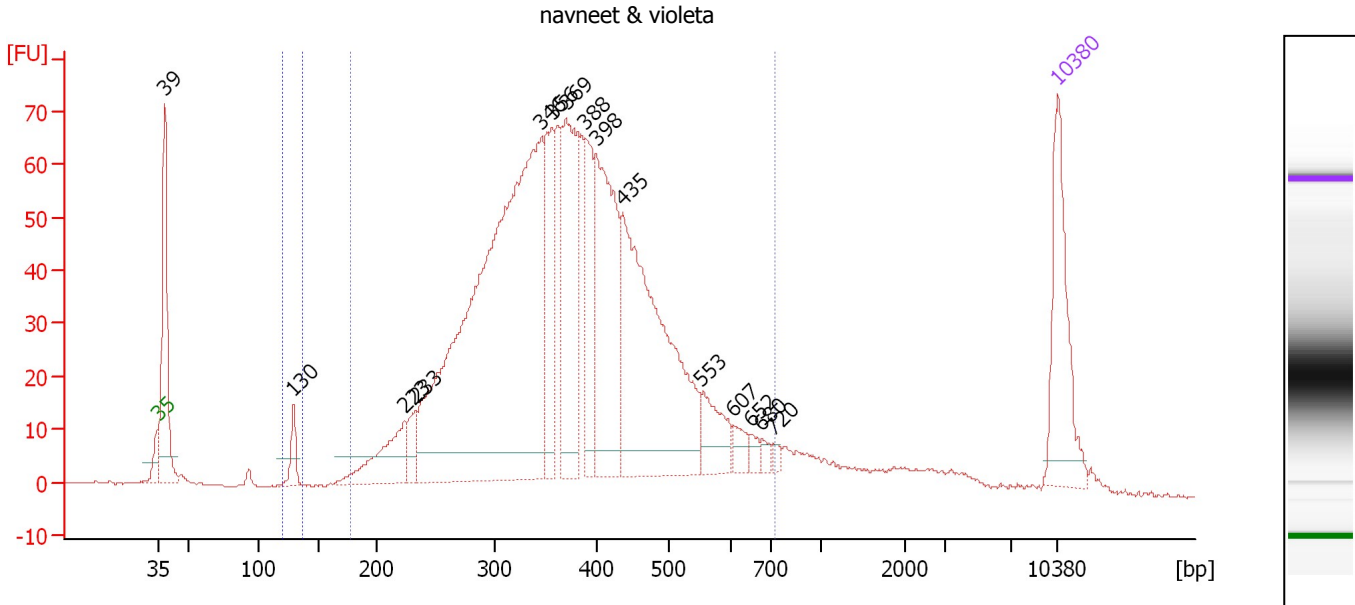
... Region table for sample 8 : P. loranthicola

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	593	3,229.1	1,080.98	1,141.8	80	31.3	■

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Electropherogram Summary Continued ...



Overall Results for sample 9 : navneet & violeta

Number of peaks found: 15 Corr. Area 1: 1,527.9
 Noise: 0.2 Corr. Area 2: 12.7

Peak table for sample 9 : navneet & violeta

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	156.95	6,132.8	
3	130	23.45	274.3	
4	223	69.49	471.8	
5	233	22.09	143.6	
6	346	697.55	3,058.0	
7	356	93.78	398.8	
8	369	148.46	609.3	
9	388	74.12	289.3	
10	398	177.12	673.7	
11	435	298.08	1,039.4	
12	553	39.76	108.9	
13	607	12.69	31.7	
14	652	7.31	17.0	
15	680	4.96	11.1	
16	720	4.36	9.2	
17	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : navneet & violeta

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
120	137	129	252.1	21.52	12.7	1	1.6	Blue
177	728	382	8,430.8	1,938.61	1,527.9	88	25.5	Dark Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\Bioanalyzer\2013-10-25\RWM.xad

Created: 10/25/2013 10:52:28 AM
Modified: 10/25/2013 11:37:06 AM

Gel Image