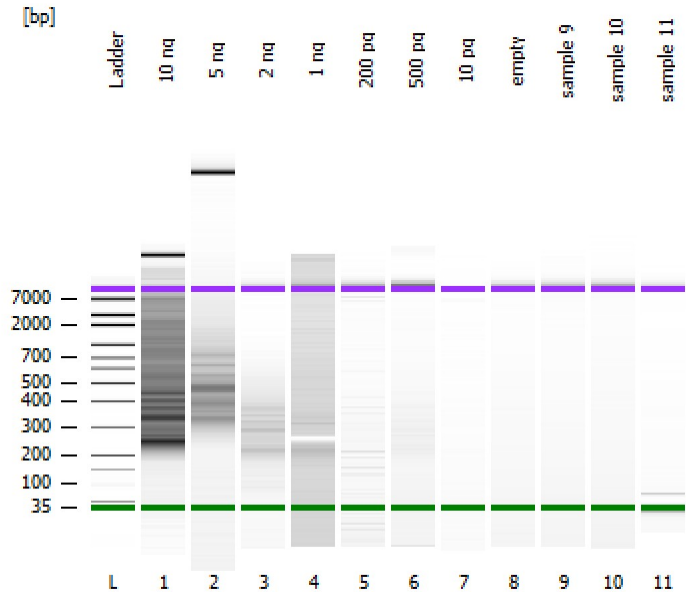


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electrophoresis File Run Summary



Instrument Information:

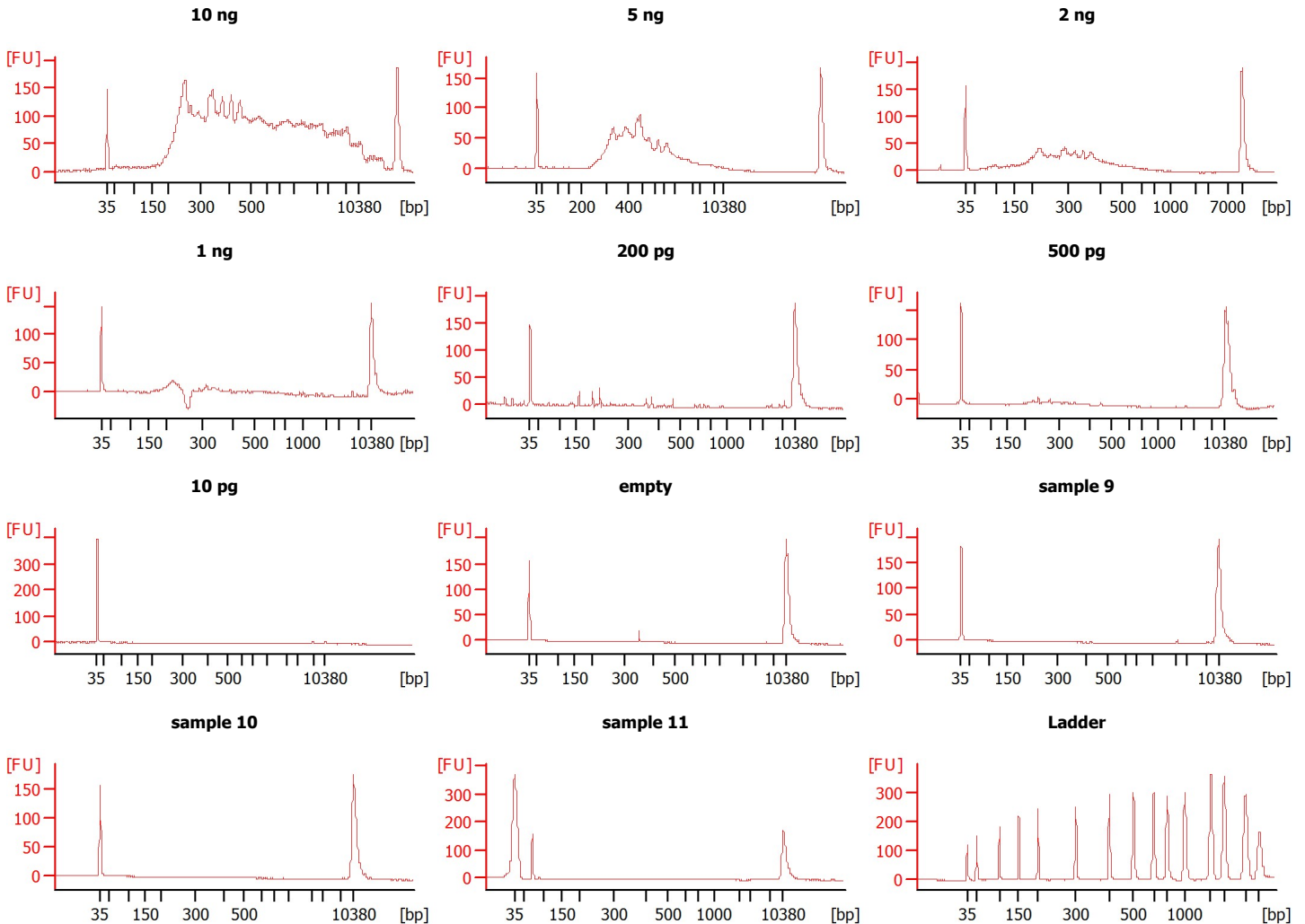
Instrument Name: DE72902250 Firmware: C.01.069
 Serial#: DE72902250 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
10 ng		<input type="checkbox"/>	✓			
5 ng		<input type="checkbox"/>	✓			
2 ng		<input type="checkbox"/>	✓			
1 ng		<input type="checkbox"/>	✓			
200 pg		<input type="checkbox"/>	✓			
500 pg		<input type="checkbox"/>	✓			
10 pg		<input type="checkbox"/>	✓			
empty		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
Modified: 12.04.2013 17:53:11

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

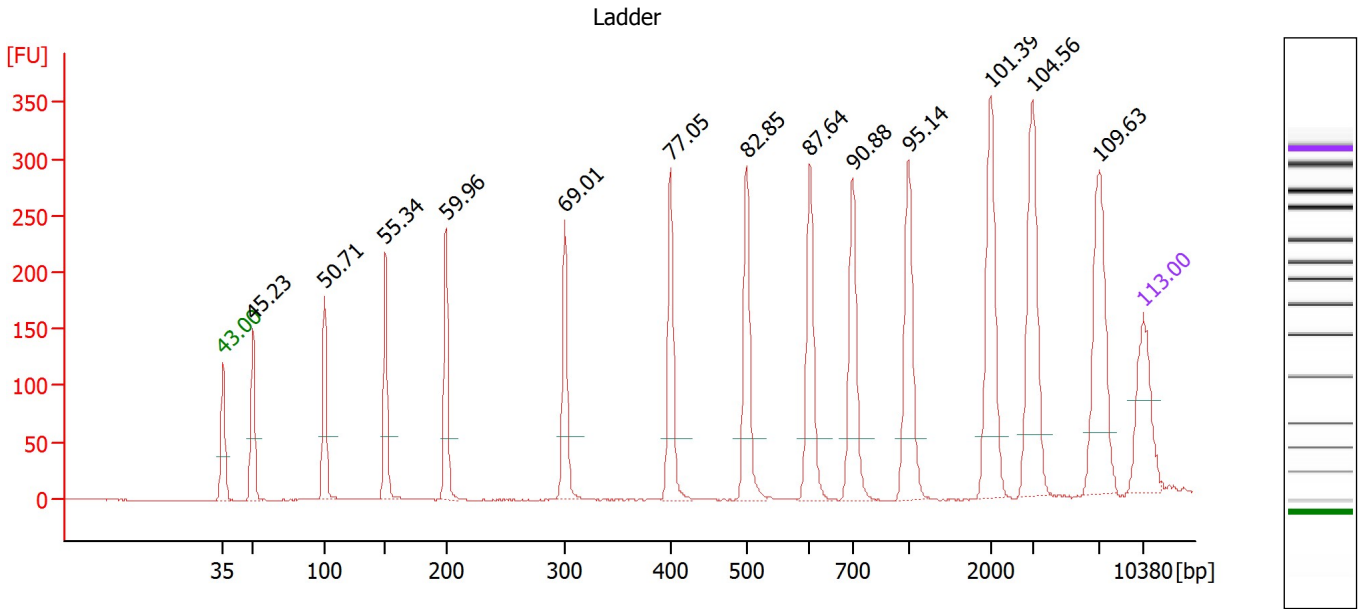
Ladder

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:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0,3
 Area Threshold : 0

Overall Results for Ladder

Noise: 0,3

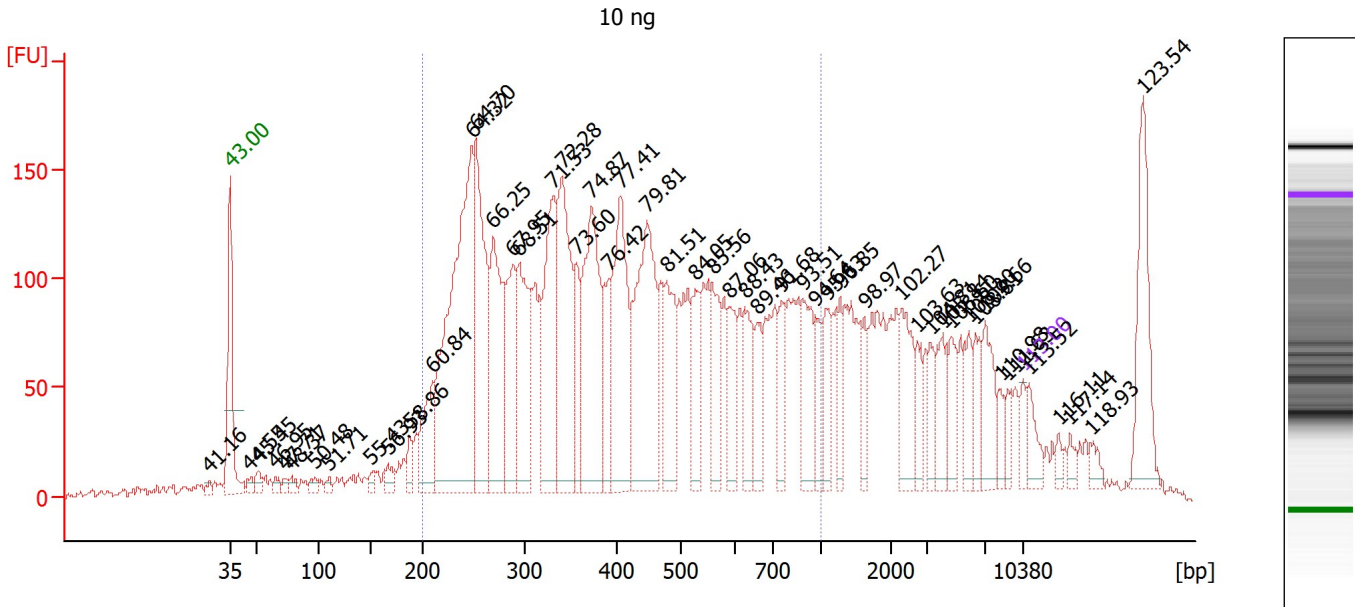
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 1 : 10 ng

Number of peaks found: 51 Corr. Area 1: 4 535,5
 Noise: 2,4

Peak table for sample 1 : 10 ng

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	29	0,00	0,0	
2	35	125,00	5 411,3	Lower Marker
3	45	58,36	1 945,9	
4	52	87,81	2 559,9	
5	66	57,44	1 324,3	
6	73	51,78	1 080,7	
7	79	62,86	1 211,6	
8	98	65,50	1 013,2	
9	111	45,20	618,1	
10	151	58,45	586,6	
11	167	100,80	913,1	
12	188	130,50	1 051,0	
13	210	499,70	3 610,3	
14	248	2 718,58	16 595,1	
15	252	1 341,82	8 055,9	
16	270	1 067,29	5 999,6	
17	288	690,73	3 630,6	
18	295	823,68	4 237,6	
19	331	984,33	4 501,5	
20	341	1 203,88	5 354,1	
21	357	368,72	1 564,5	
22	373	1 220,60	4 959,4	
23	392	322,20	1 244,6	
24	406	1 076,89	4 015,9	
25	448	1 275,35	4 316,5	
26	477	546,12	1 735,2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...

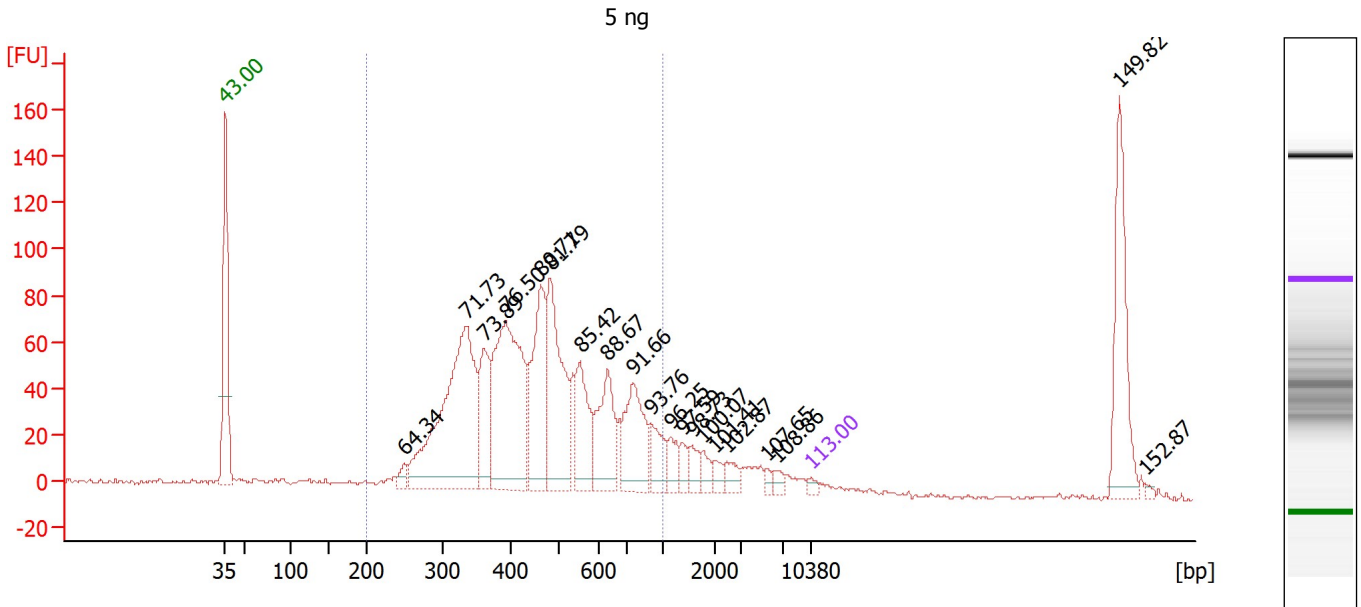
... Peak table for sample 1 : 10 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	525	349,84	1 009,5	
28	557	370,41	1 008,5	
29	588	307,35	792,0	
30	624	357,71	868,1	
31	656	247,73	572,0	
32	756	236,78	474,7	
33	885	370,11	633,7	
34	965	206,00	323,6	
35	1 078	233,64	328,5	
36	1 273	177,93	211,7	
37	1 612	151,98	142,8	
38	2 276	325,06	216,4	
39	2 707	143,55	80,3	
40	3 197	127,24	60,3	
41	4 013	194,69	73,5	
42	4 607	174,19	57,3	
43	5 870	149,78	38,7	
44	6 352	158,91	37,9	
45	7 026	260,47	56,2	
46	8 349	75,79	13,8	
47	9 010	80,29	13,5	
48	10 380	75,00	10,9	Upper Marker
49	10 900	0,00	0,0	
50	13 498	0,00	0,0	
51	14 537	0,00	0,0	
52	16 332	0,00	0,0	
53	20 962	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 2 : 5 ng

Number of peaks found: 20 Corr. Area 1: 1 500,1
 Noise: 0,7

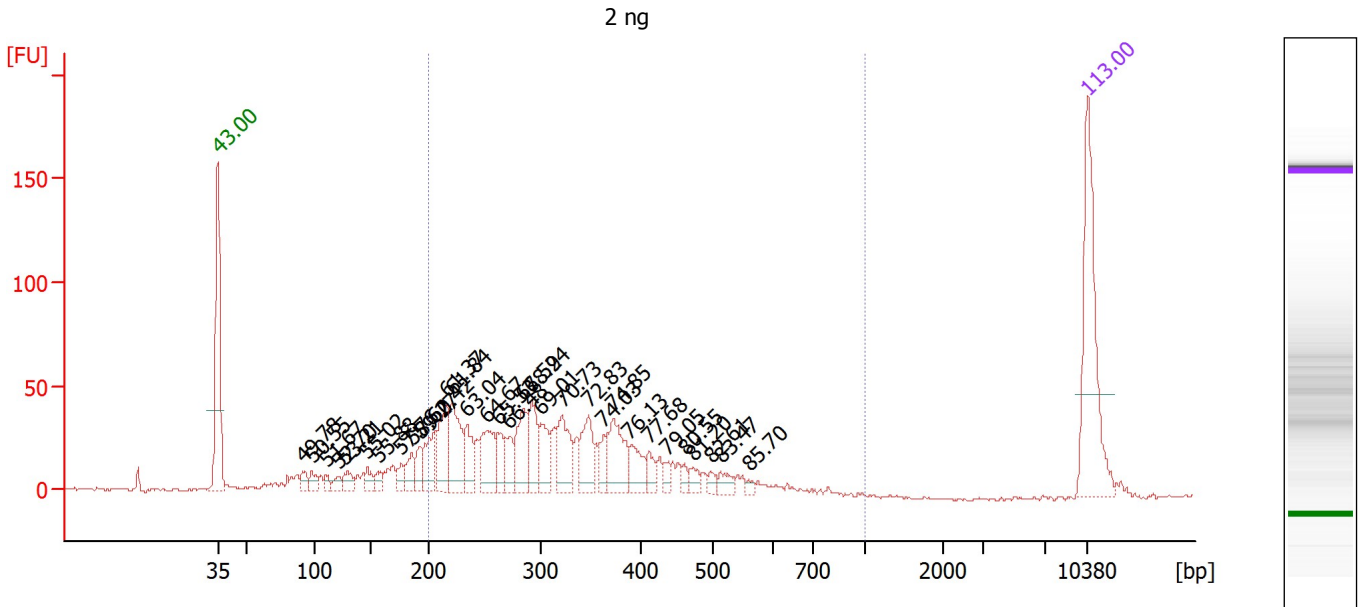
Peak table for sample 2 : 5 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,2	Lower Marker
2	248	213,61	1 303,2	
3	334	5 591,84	25 383,0	
4	361	1 447,03	6 077,7	
5	393	4 229,43	16 296,0	
6	463	2 370,66	7 756,5	
7	482	2 722,85	8 563,7	
8	554	1 313,78	3 595,1	
9	632	1 421,41	3 408,9	
10	755	1 515,67	3 042,5	
11	903	595,91	1 000,1	
12	1 177	319,75	411,8	
13	1 391	208,82	227,5	
14	1 574	245,78	236,6	
15	1 788	219,87	186,3	
16	2 004	166,81	126,1	
17	2 467	218,97	134,5	
18	5 437	81,57	22,7	
19	6 391	118,06	28,0	
20	10 380	75,00	10,9	Upper Marker
21	47 325	0,00	0,0	
22	50 394	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2 ng

Number of peaks found: 32 Corr. Area 1: 937,0
 Noise: 0,5


Peak table for sample 3 : 2 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	92	10,00	165,6	
3	99	10,09	155,0	
4	110	6,15	84,4	
5	122	7,68	95,7	
6	127	12,46	148,6	
7	147	10,52	108,8	
8	156	6,91	67,2	
9	176	9,65	83,0	
10	186	16,57	135,3	
11	192	14,05	110,6	
12	205	32,08	237,0	
13	216	44,04	309,6	
14	221	48,91	335,7	
15	234	27,21	176,2	
16	252	38,85	233,5	
17	262	22,29	129,2	
18	272	18,10	100,8	
19	284	38,05	202,8	
20	291	32,63	169,6	
21	300	28,05	141,7	
22	321	37,63	177,5	
23	348	33,43	145,7	
24	362	11,95	50,0	
25	373	42,00	170,8	
26	389	21,32	83,1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
Modified: 12.04.2013 17:53:11

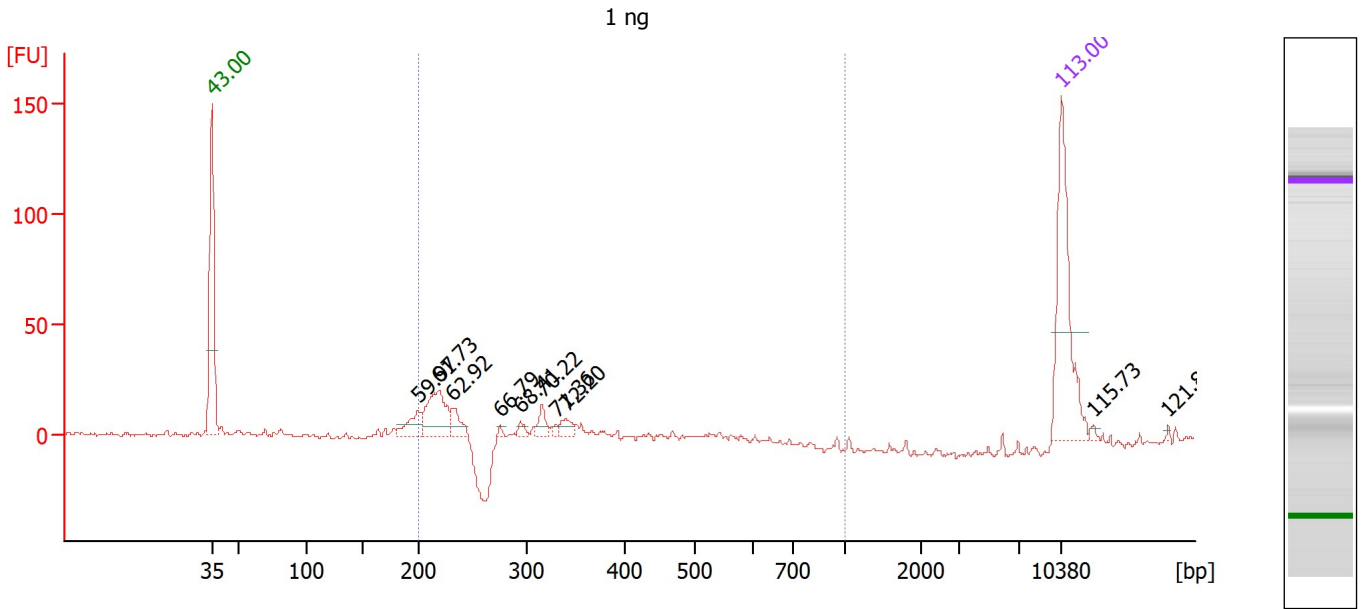
Electropherogram Summary Continued ...**... Peak table for sample 3 : 2 ng**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	411	10,46	38,6	
28	435	5,99	20,9	
29	460	5,52	18,2	
30	472	7,23	23,2	
31	496	5,41	16,5	
32	513	8,10	23,9	
33	560	2,97	8,0	
34	 10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1 ng

Number of peaks found: 10 Corr. Area 1: 134,9
 Noise: 0,7

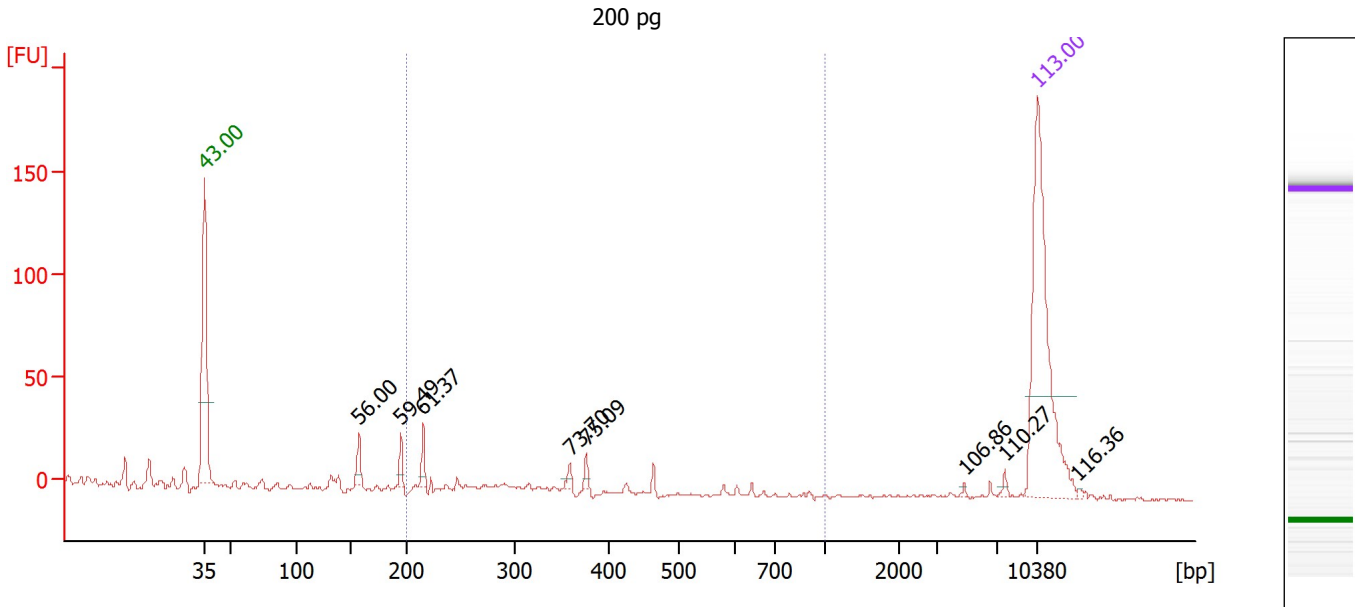
Peak table for sample 4 : 1 ng

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,2	Lower Marker
2	200	21,07	159,5	
3	220	52,33	361,2	
4	233	15,66	102,0	
5	275	2,34	12,9	
6	293	4,99	25,8	
7	315	10,86	52,2	
8	329	3,10	14,3	
9	340	9,08	40,5	
10	10 380	75,00	10,9	Upper Marker
11	13 116	0,00	0,0	
12	19 249	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 5 : 200 pg

Number of peaks found: 8 Corr. Area 1: 66,3
 Noise: 0,7

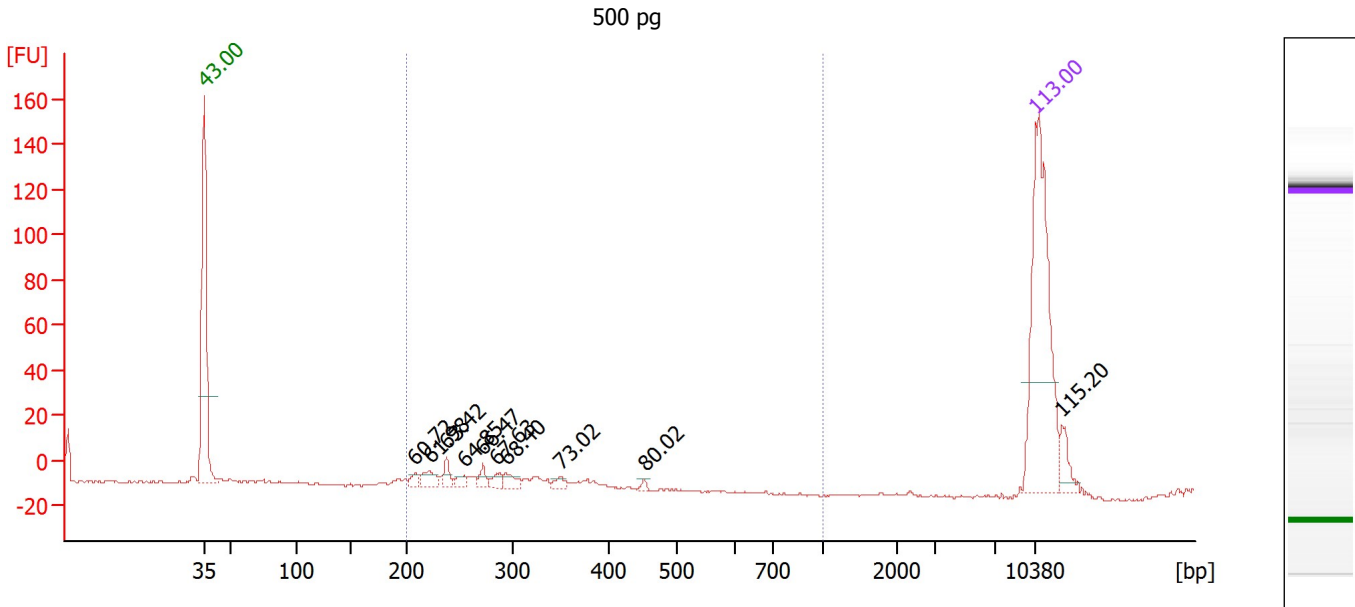
Peak table for sample 5 : 200 pg

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,2	Lower Marker
2	157	9,18	88,5	
3	195	6,61	51,4	
4	216	7,73	54,3	
5	358	3,07	13,0	
6	376	3,14	12,7	
7	4 815	0,60	0,2	
8	7 637	1,54	0,3	
9	10 380	75,00	10,9	Upper Marker
10	13 753	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 6 : 500 pg

Number of peaks found: 10 Corr. Area 1: 91,4
 Noise: 0,5

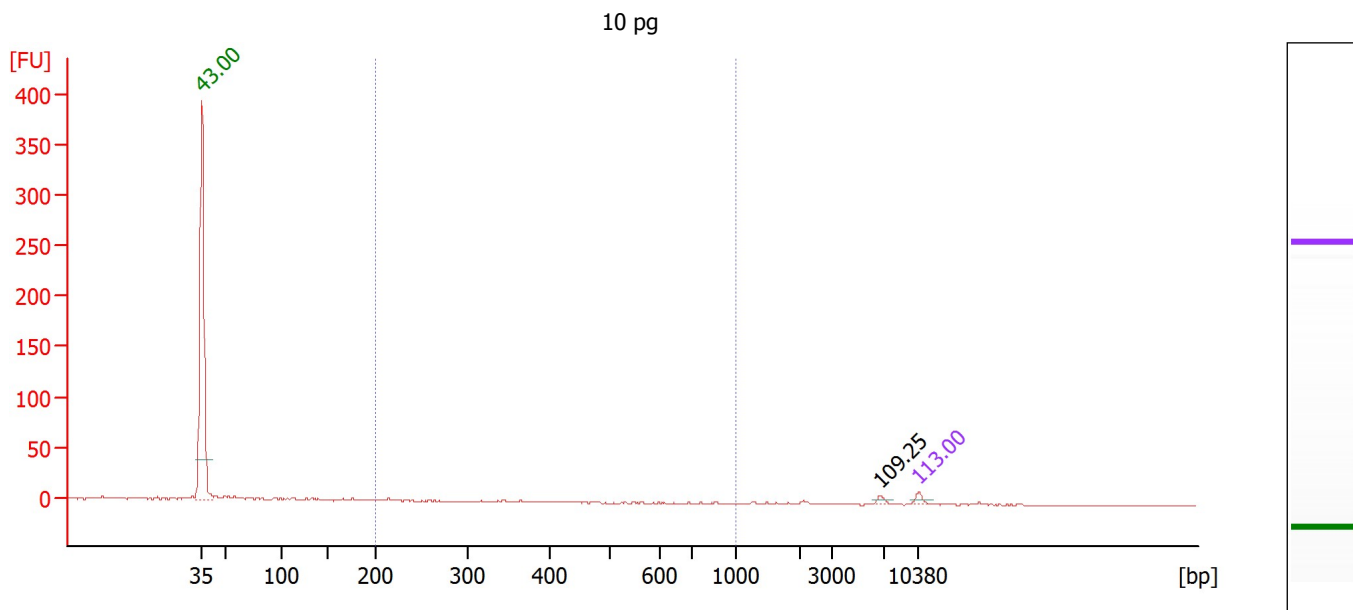
Peak table for sample 6 : 500 pg

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	208	3,96	28,8	
3	222	7,20	49,1	
4	238	5,74	36,5	
5	254	3,93	23,4	
6	272	4,43	24,7	
7	285	4,83	25,7	
8	293	5,39	27,8	
9	350	3,60	15,6	
10	451	1,46	4,9	
11	10 380	75,00	10,9	Upper Marker
12	12 587	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 7 : 10 pg

Number of peaks found: 1 Corr. Area 1: 9,5
 Noise: 0,3

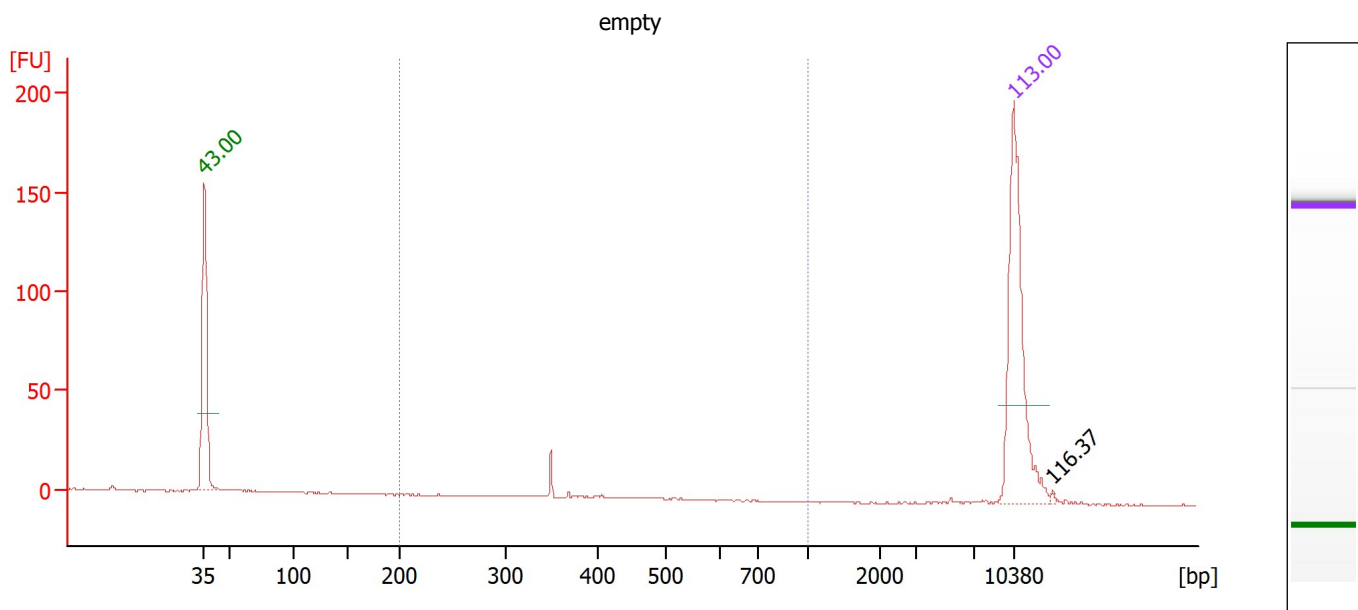
Peak table for sample 7 : 10 pg

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,2	Lower Marker
2	6 701	57,86	13,1	
3	10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 8 : empty

Number of peaks found: 1 Corr. Area 1: 9,6
 Noise: 0,3

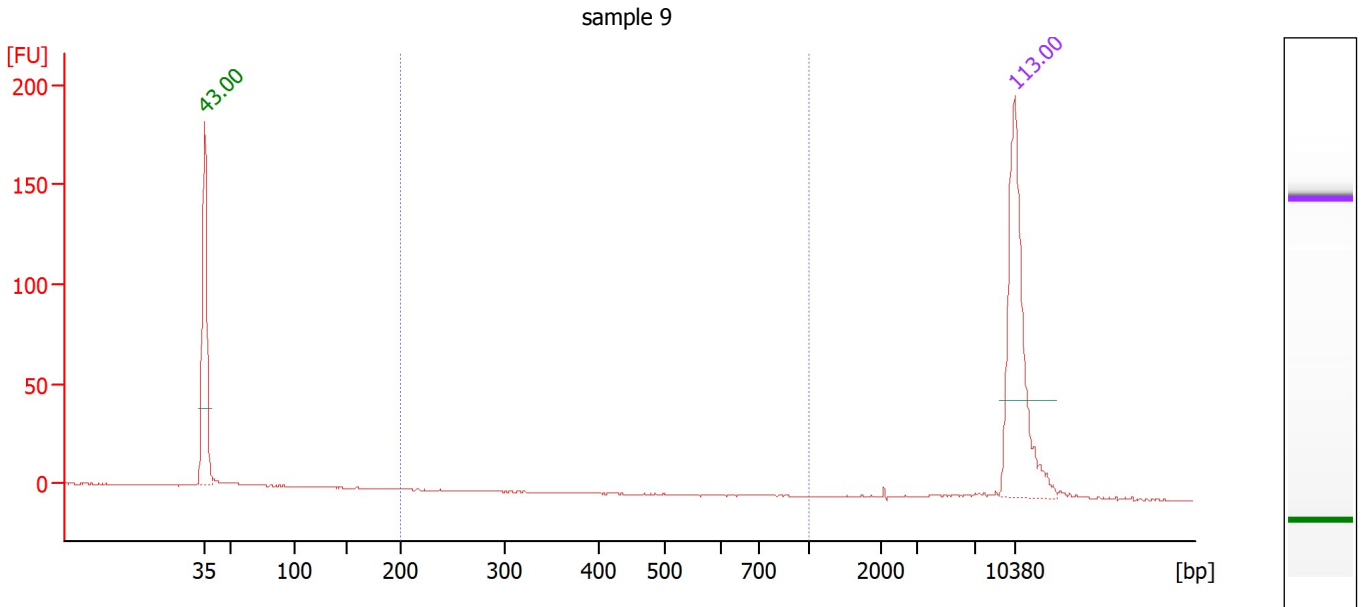
Peak table for sample 8 : empty

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,2	Lower Marker
2	10 380	75,00	10,9	Upper Marker
3	13 760	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 0 Corr. Area 1: 0,0
 Noise: 0,2

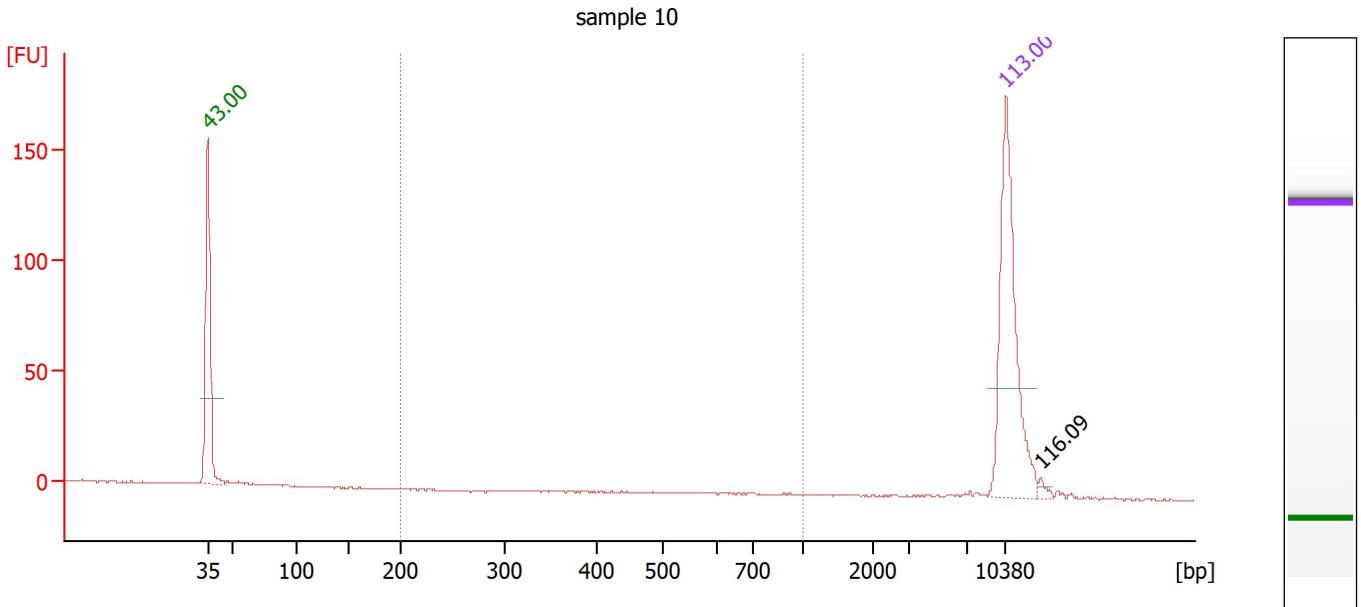
Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Corr. Area 1: 0,0
 Noise: 0,2

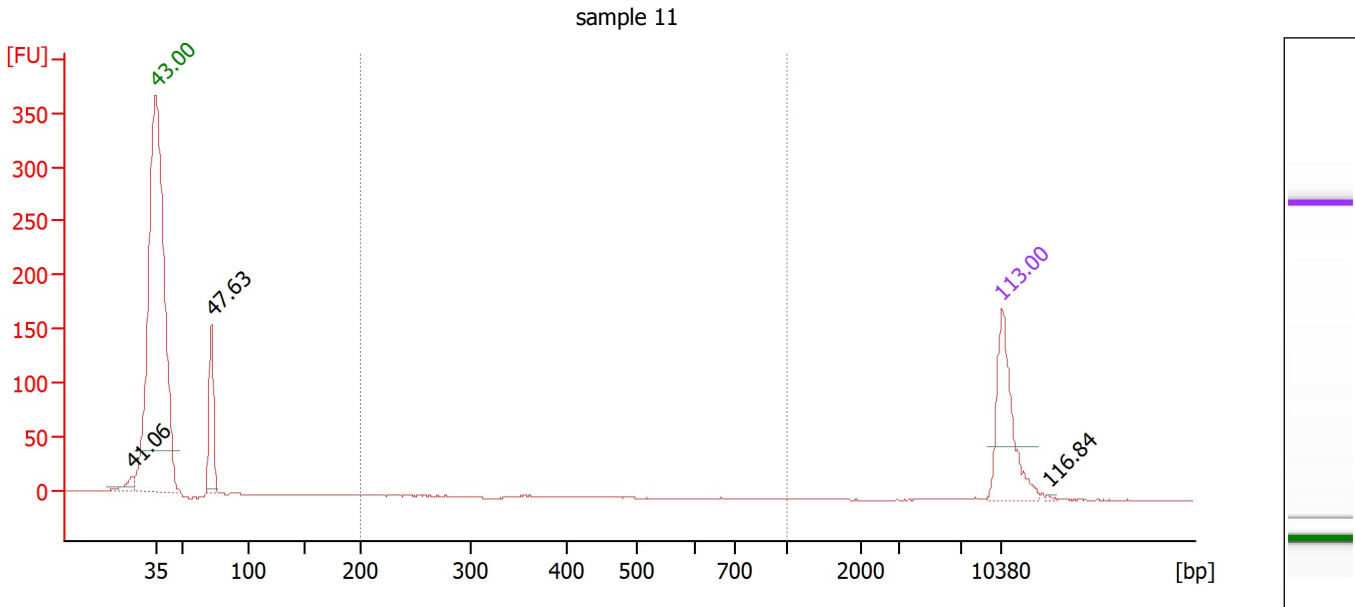
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	10 380	75,00	10,9	Upper Marker
3	13 477	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 3 Corr. Area 1: 0,0
 Noise: 0,3

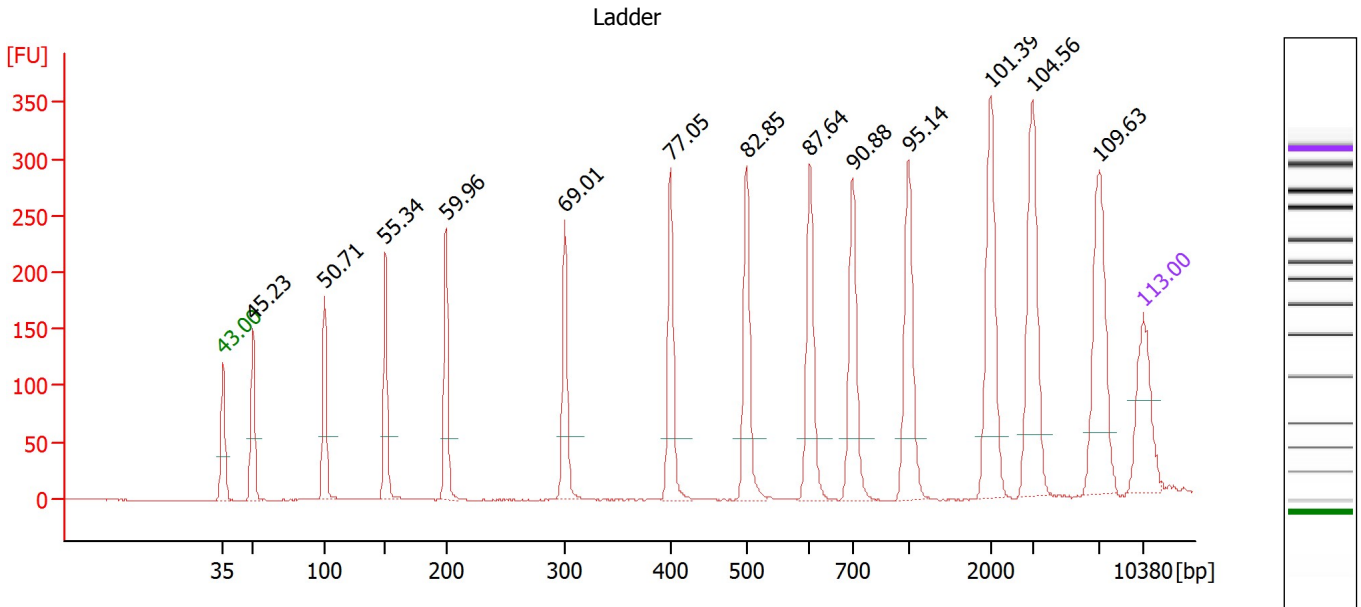
Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0,00	0,0	
2	35	125,00	5 411,3	Lower Marker
3	72	103,27	2 176,2	
4	10 380	75,00	10,9	Upper Marker
5	14 231	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
 Modified: 12.04.2013 17:53:11

Electropherogram Summary Continued ...



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0,3
 Area Threshold : 0

Overall Results for Ladder

Noise: 0,3

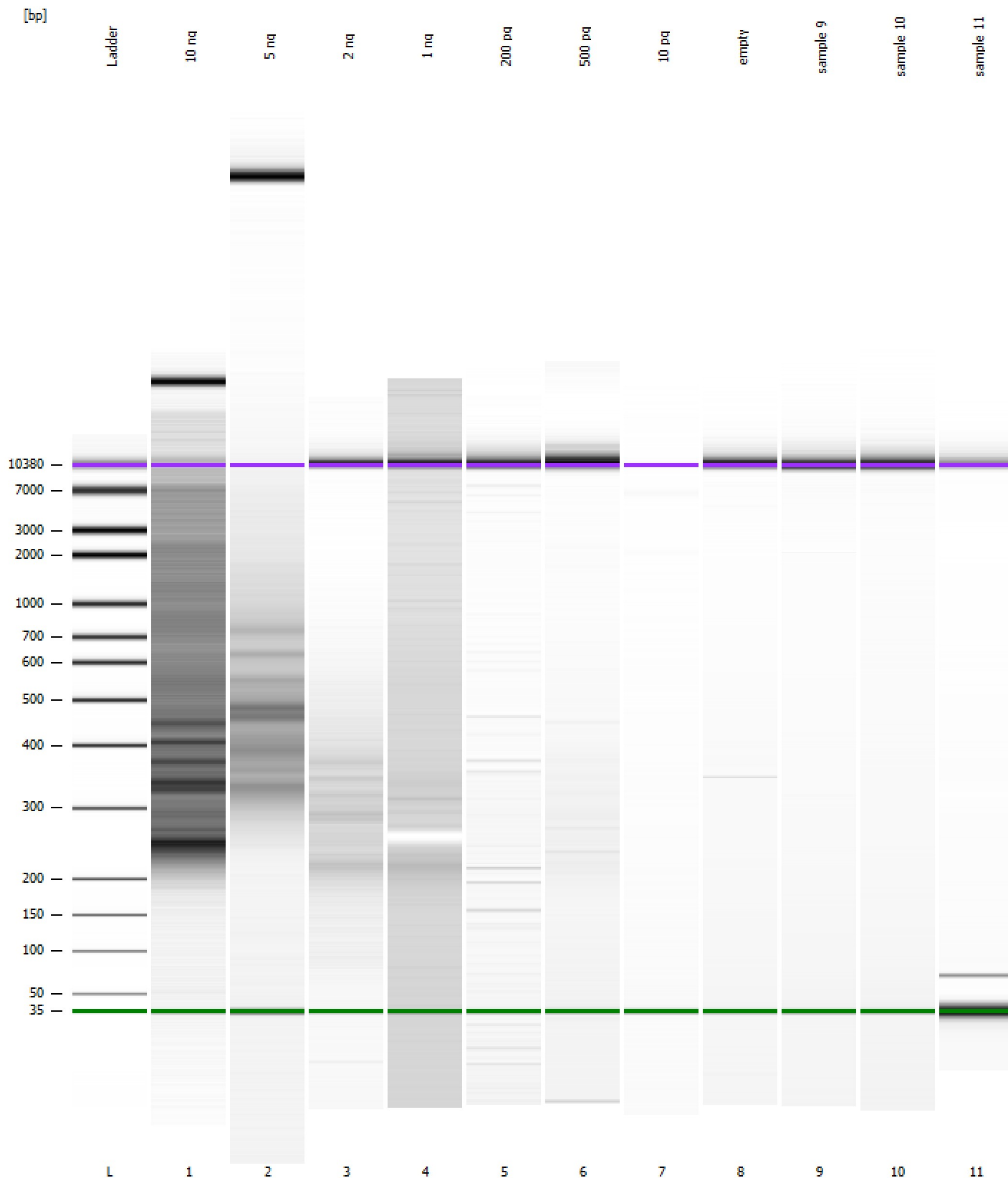
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
Modified: 12.04.2013 17:53:11

Gel Image

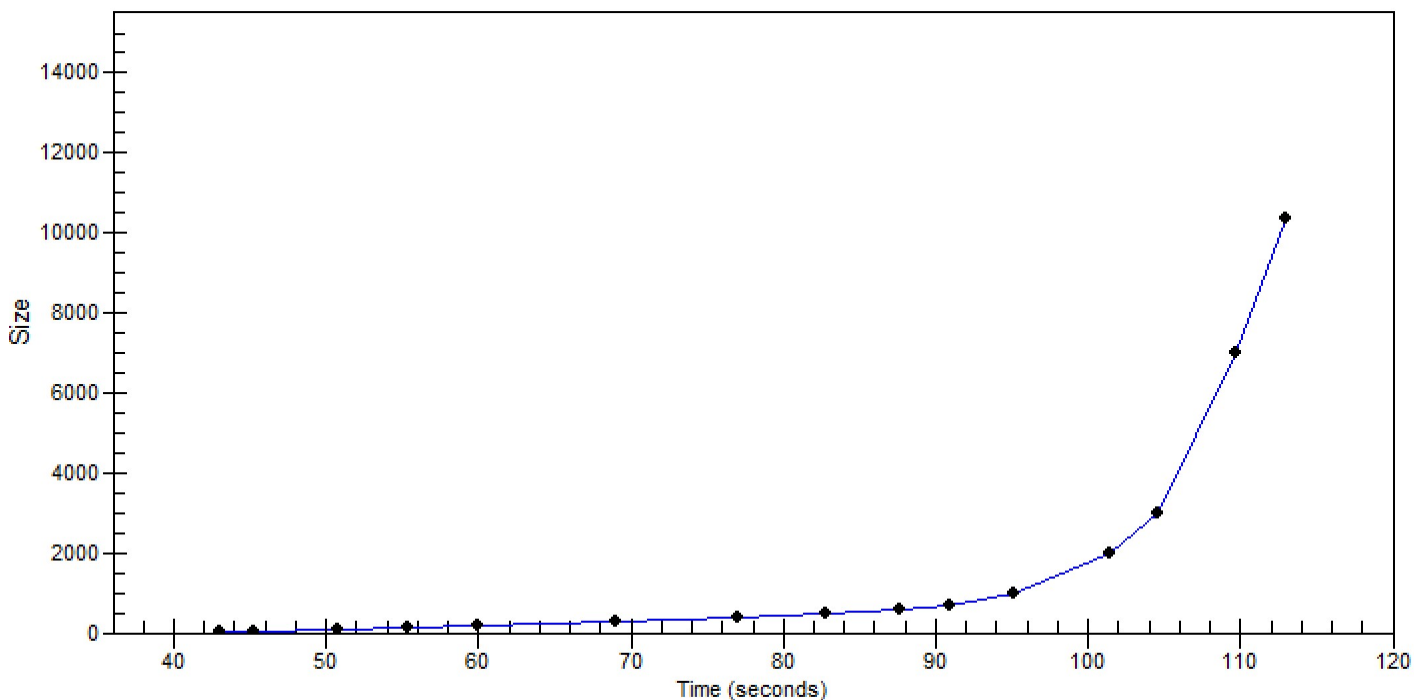


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad

Created: 12.04.2013 17:01:20
Modified: 12.04.2013 17:53:11

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 12.04.2013 17:01:20
 Data Path: C:\...-Seq libraries\Pre-test RNA-seq library, #9, 12.04.2013.xad Modified: 12.04.2013 17:53:11

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12.04.2013 17:42:44	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2013-04-12\2100 expert_High Sensitivity DNA Assay_DE72902250_2013-04-12_17-01-20.xad)		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Product Number : G2939A		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Name :		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Vendor : Agilent Technologies		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Serial# : DE72902250		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Firmware : C.01.069		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Cartridge : Electrode		Instrument	Run		12.04.2013 17:01:28	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578