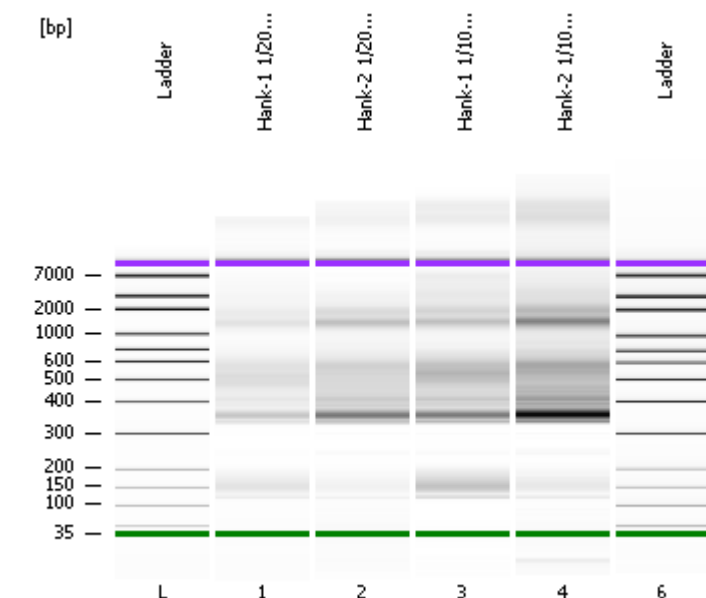


Assay Class: High Sensitivity DNA Assay
Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

Electrophoresis File Run Summary



Instrument Information:

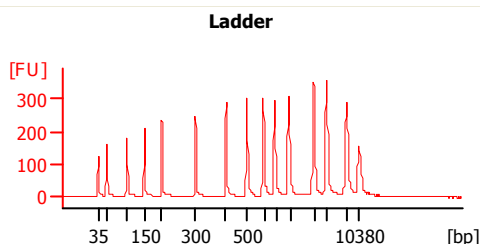
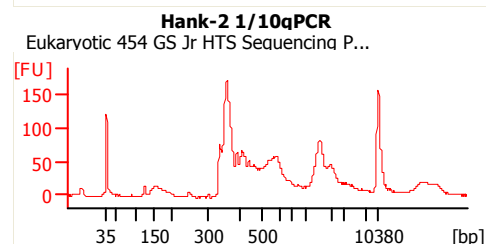
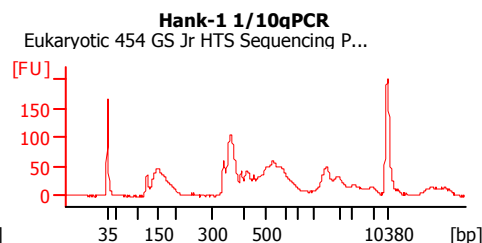
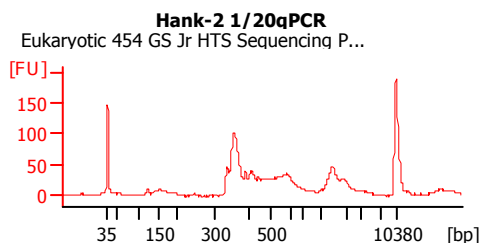
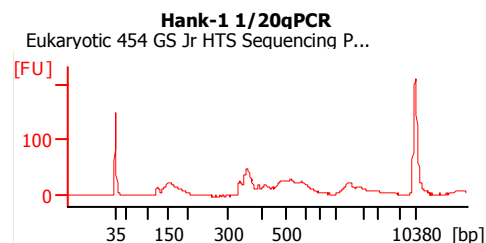
Instrument Name: DE24802282 Firmware: C.01.069
Serial#: DE24802282 Type: G2938B

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 #: qd28bk50
Reagent Kit Lot #: set
Chip Comments: HS-DNA | High Sensitivity DNA | Hank Raizen | Nik Grundwald | 738-4105 | nraizen@gmail.com | Unknown | Unknown | Submitted by Mark.
HS-DNA | High Sensitivity DNA | Natalia Shulzhenko | Natalia S...



Assay Class: High Sensitivity DNA Assay
Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Hank-1 1/20qPCR	Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2	☐				
Hank-2 1/20qPCR	Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2	☐				
Hank-1 1/10qPCR	Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2	☐				
Hank-2 1/10qPCR	Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2	☐				
Ladder		☐				
Ladder		☐				

Chip Lot #

qd28bk50

Reagent Kit Lot #

set

Chip Comments :

HS-DNA | High Sensitivity DNA | Hank Raizen | Nik Grundwald | 738-4105 | nraizen@gmail.com | Unknown | Unknown | Submitted by Mark.
HS-DNA | High Sensitivity DNA | Natalia Shulzhenko | Natalia Shulzhenko | 737-8047 | natalia.shulzhenko@oregonstate.edu | mixed bacterial
population | intestinal content |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

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

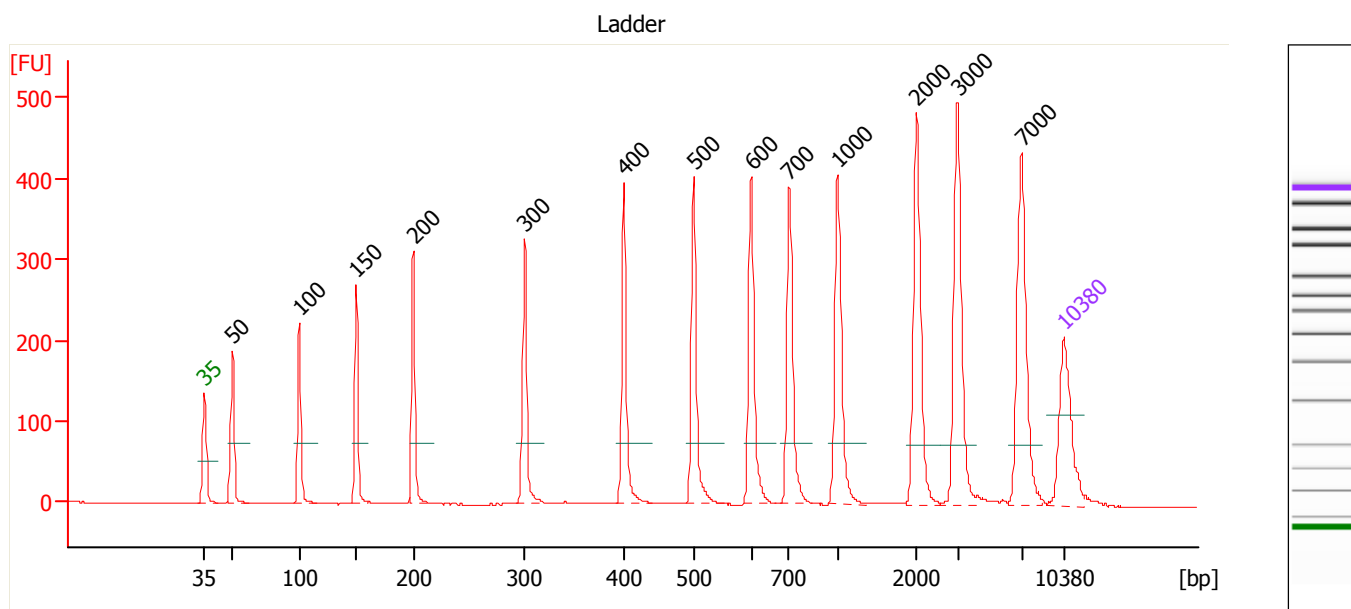
Ladder

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:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

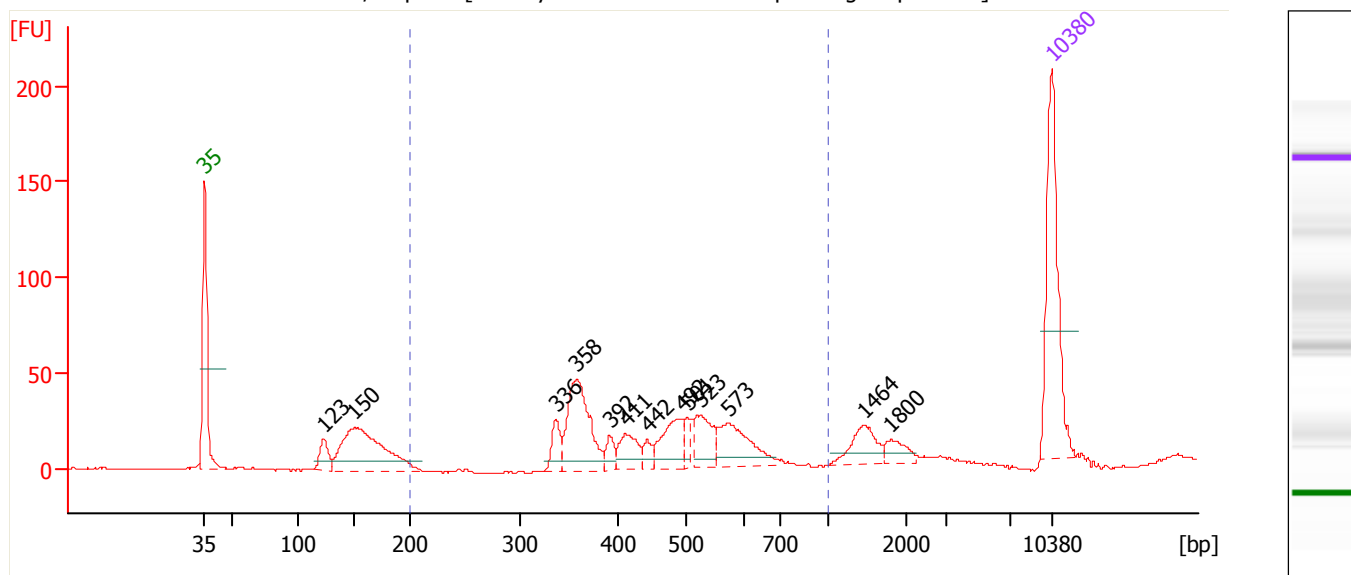
Peak		Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2	◀	50	150.00	4,545.5	Ladder Peak
3	◀	100	150.00	2,272.7	Ladder Peak
4	◀	150	150.00	1,515.2	Ladder Peak
5	◀	200	150.00	1,136.4	Ladder Peak
6	◀	300	150.00	757.6	Ladder Peak
7	◀	400	150.00	568.2	Ladder Peak
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:\AqilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
 Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...

Hank-1 1/20qPCR [Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2]



Overall Results for sample 1 : Hank-1 1/20qPCR

Number of peaks found: 13 Corr. Area 1: 410.8
 Noise: 0.3

Peak table for sample 1 : Hank-1 1/20qPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	123	20.30	250.8	
3	150	125.88	1,270.6	
4	336	19.36	87.3	
5	358	78.97	334.4	
6	392	10.81	41.8	
7	411	23.15	85.4	
8	442	8.17	28.0	
9	492	33.98	104.6	
10	501	9.77	29.6	
11	523	28.89	83.7	
12	573	41.00	108.4	
13	1,464	20.79	21.5	
14	1,800	10.08	8.5	
15	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : Hank-1 1/20qPCR

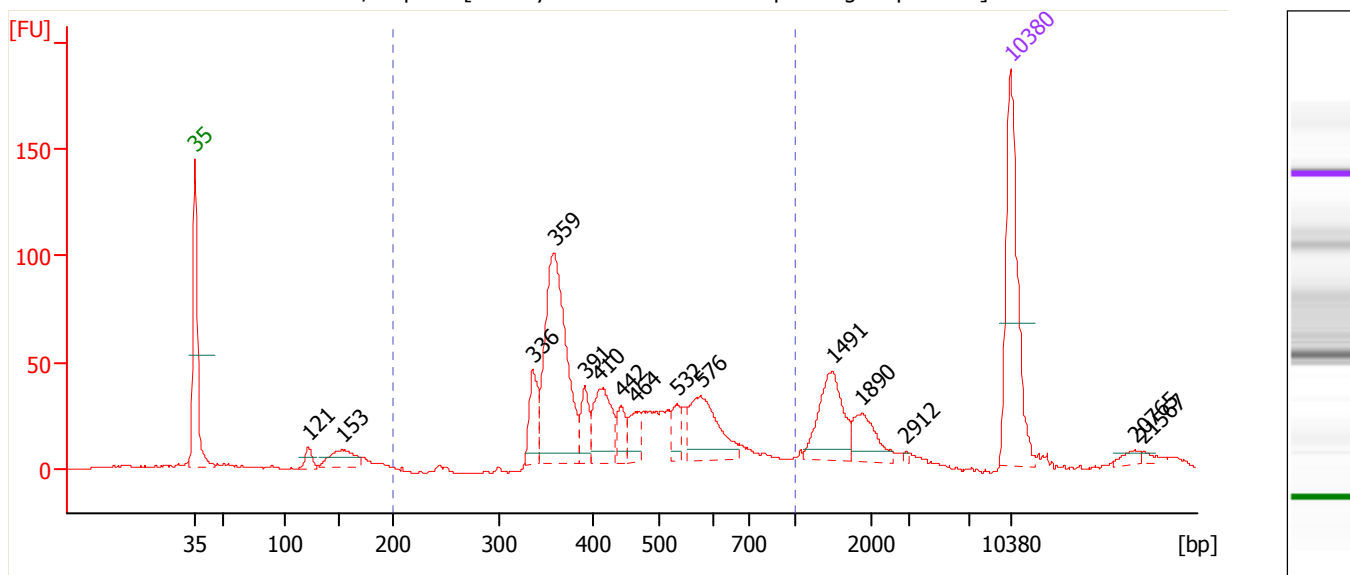
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	410.8	65	457	19.9	215.86	756.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\AqilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
 Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...

Hank-2 1/20qPCR [Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2]



Overall Results for sample 2 : Hank-2 1/20qPCR

Number of peaks found: 15 Corr. Area 1: 836.6
 Noise: 0.5

Peak table for sample 2 : Hank-2 1/20qPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	10.64	132.8	
3	153	29.70	294.4	
4	336	31.79	143.4	
5	359	166.70	704.3	
6	391	21.61	83.6	
7	410	44.92	166.1	
8	442	15.33	52.6	
9	464	17.19	56.1	
10	532	13.52	38.5	
11	576	52.07	137.0	
12	1,491	45.55	46.3	
13	1,890	21.97	17.6	
14	2,912	1.14	0.6	
15	10,380	75.00	10.9	Upper Marker
16	20,765	0.00	0.0	
17	21,567	0.00	0.0	

Region table for sample 2 : Hank-2 1/20qPCR

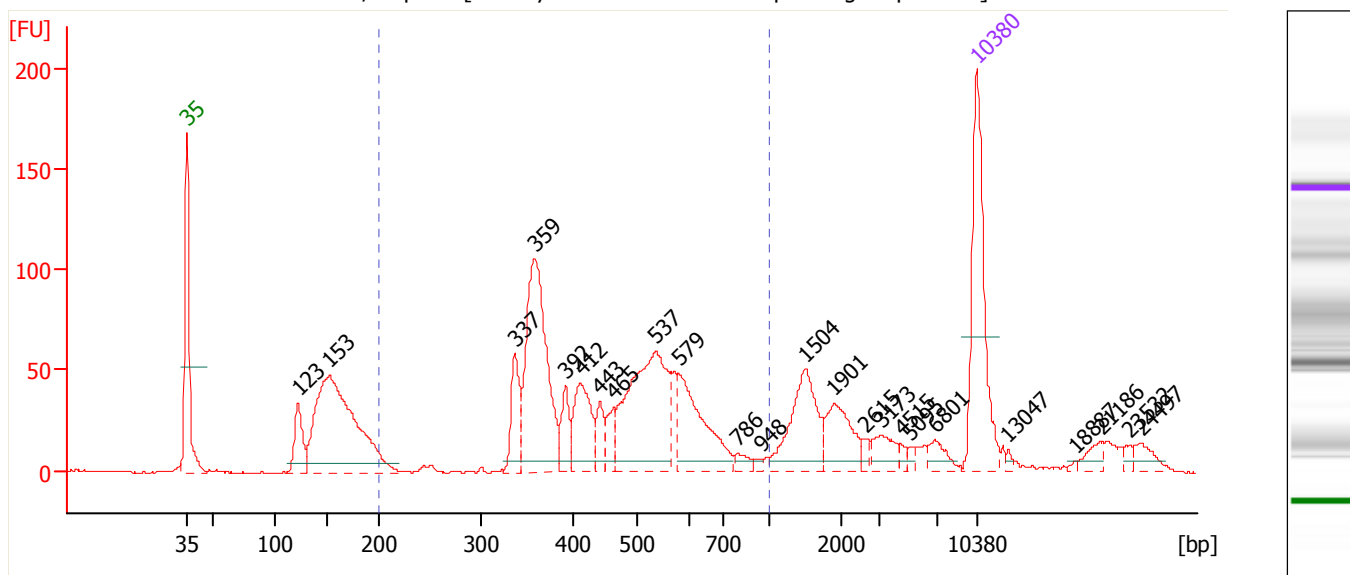
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	836.6	72	453	24.9	454.79	1,633.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
 Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...

Hank-1 1/10qPCR [Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2]



Overall Results for sample 3 : Hank-1 1/10qPCR

Number of peaks found: 24 Corr. Area 1: 1,111.3
 Noise: 0.5

Peak table for sample 3 : Hank-1 1/10qPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	123	37.22	458.0	
3	153	239.66	2,371.4	
4	337	37.94	170.7	
5	359	155.30	655.5	
6	392	22.34	86.3	
7	412	48.14	176.9	
8	443	16.69	57.1	
9	465	15.15	49.4	
10	537	128.13	361.6	
11	579	67.08	175.5	
12	786	6.24	12.0	
13	948	2.44	3.9	
14	1,504	52.60	53.0	
15	1,901	32.67	26.0	
16	2,615	3.70	2.1	
17	3,173	13.95	6.7	
18	4,515	3.12	1.0	
19	5,095	2.74	0.8	
20	6,801	9.28	2.1	
21	10,380	75.00	10.9	Upper Marker
22	13,047	0.00	0.0	
23	18,887	0.00	0.0	
24	21,886	0.00	0.0	
25	23,532	0.00	0.0	
26	24,497	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\AqilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...**... Region table for sample 3 :****Hank-1 1/10qPCR**

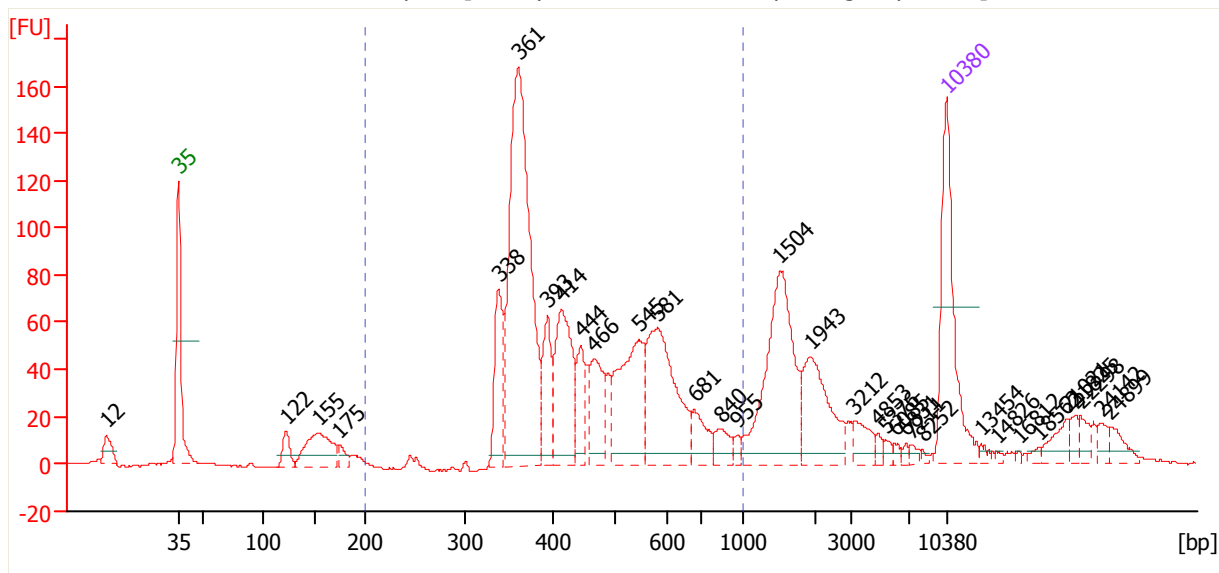
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Co lor
200	1,000	1,111.3	57	473	25.8	524.81	1,836.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\AqilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
 Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...

Hank-2 1/10qPCR [Eukaryotic 454 GS Jr HTS Sequencing Prep 500 2]



Overall Results for sample 4 : Hank-2 1/10qPCR

Number of peaks found: 33 Corr. Area 1: 1,451.3
 Noise: 0.5

Peak table for sample 4 : Hank-2 1/10qPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	12	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	122	18.55	229.5	
4	155	58.72	572.4	
5	175	9.59	82.9	
6	338	57.76	259.0	
7	361	300.96	1,263.7	
8	393	42.40	163.3	
9	414	88.17	323.0	
10	444	31.45	107.2	
11	466	44.47	144.7	
12	545	89.94	249.8	
13	581	109.66	286.1	
14	681	21.25	47.3	
15	840	14.42	26.0	
16	955	4.34	6.9	
17	1,504	110.23	111.0	
18	1,943	55.01	42.9	
19	3,212	13.39	6.3	
20	4,853	3.30	1.0	
21	5,376	3.02	0.9	
22	6,085	2.57	0.6	
23	6,831	2.01	0.4	
24	7,211	2.67	0.6	
25	8,252	1.51	0.3	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...**... Peak table for sample 4 : Hank-2 1/10qPCR**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	13,454	0.00	0.0	
28	14,826	0.00	0.0	
29	16,812	0.00	0.0	
30	18,562	0.00	0.0	
31	21,021	0.00	0.0	
32	21,825	0.00	0.0	
33	22,298	0.00	0.0	
34	24,142	0.00	0.0	
35	24,899	0.00	0.0	

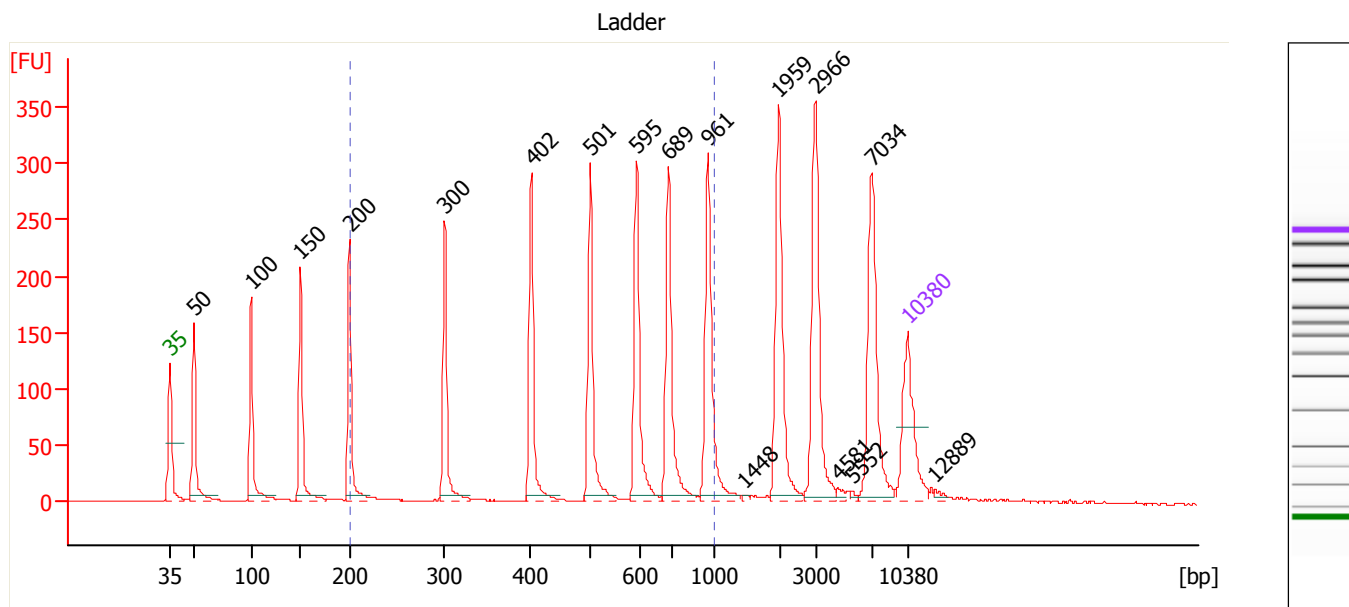
Region table for sample 4 : Hank-2 1/10qPCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,451.3	67	465	27.2	825.19	2,921.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\AgilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
 Modified: 9/25/2012 11:31:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Ladder

Number of peaks found: 17 Corr. Area 1: 1,412.5
 Noise: 0.4

Peak table for sample 6 : Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	146.08	4,406.6	
3	100	138.80	2,101.1	
4	150	135.78	1,370.1	
5	200	128.42	971.8	
6	300	121.54	613.9	
7	402	121.13	456.6	
8	501	130.37	394.4	
9	595	126.19	321.5	
10	689	138.14	304.0	
11	961	139.81	220.4	
12	1,448	2.38	2.5	
13	1,959	133.70	103.4	
14	2,966	140.76	71.9	
15	4,581	4.64	1.5	
16	5,552	2.37	0.6	
17	7,034	134.97	29.1	
18	10,380	75.00	10.9	Upper Marker
19	12,889	0.00	0.0	

Region table for sample 6 : Ladder

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,412.5	47	577	39.6	896.75	3,100.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\AqilentData\2012-09-25\HS2007_2012-09-25\HS2007_2012-09_25.xad

Created: 9/25/2012 10:47:43 AM
Modified: 9/25/2012 11:31:00 AM

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