Data from Smear Analysis Table

1. Ensure to export smear data for the main peak and for the LMS for ALL wells in rows ABC&D of the assay plate
2. Enter the smear data into the table below. If the SOP plate layout was strictly followed, the calculations tab will show automatically calculated average, standard deviation and %CV (%RSD) for the two smear sets.
3. Pass/Fail will be automatically determined using the parameters entered in the Calculations tab.

Well #	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
A1	A1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A1	A1	BLANK	4800 nt to 13000 nt	0.0386	100	0.013	9280	4.06
A2	A2	BLANK	3700 nt to 4800 nt	0.0002	0.1	0.0002	3873	0.25
A2	A2	BLANK	4800 nt to 13000 nt	0.007	2	0.0027	8183	3.75
A3	A3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A3	A3	BLANK	4800 nt to 13000 nt	0.0083	0.4	0.0032	7974	21.76
A4	A4	BLANK	3700 nt to 4800 nt	0.0168	0.2	0.0132	3946	1.93
A4	A4	BLANK	4800 nt to 13000 nt	0.0611	0.9	0.0264	7228	19.02
A5	A5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A5	A5	BLANK	4800 nt to 13000 nt	0.0068	100	0.0024	8885	9.54
A6	A6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A6	A6	BLANK	4800 nt to 13000 nt	0.0053	100	0.0017	9812	0.58
A7	A7	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3908	0.42
A7	A7	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN
A8	A8	BLANK	3700 nt to 4800 nt	0.0111	1.7	0.0087	3951	6.65
A8	A8	BLANK	4800 nt to 13000 nt	0.0353	5.5	0.0144	7658	11.65
A9	A9	BLANK	3700 nt to 4800 nt	0.0007	0.1	0.0006	3706	0
A9	A9	BLANK	4800 nt to 13000 nt	0.0032	0.3	0.001	9672	0.17
A10	A10	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A10	A10	BLANK	4800 nt to 13000 nt	0.0117	0.2	0.0051	7131	0.17
A11	A11	2107002694 FE3	3700 nt to 4800 nt	77.2532	65.8	58.6045	4112	4.27
A11	A11	2107002694 FE3	4800 nt to 13000 nt	3.2948	2.8	1.5735	6533	24.8
A12	A12	2103001141 EE8	3700 nt to 4800 nt	71.0246	56.7	54.0354	4101	4.21
A12	A12	2103001141 EE8	4800 nt to 13000 nt	2.3203	1.9	1.0197	7099	25.44
B1	B1	BLANK	3700 nt to 4800 nt	0.0563	0.4	0.045	3897	1.45
B1	B1	BLANK	4800 nt to 13000 nt	0.02	0.1	0.0082	7623	11.86
B2	B2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3950	4.82
B2	B2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	8237	21.21
B3	B3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B3	B3	BLANK	4800 nt to 13000 nt	0.0549	7.2	0.0183	9359	9.03
B4	B4	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B4	B4	BLANK	4800 nt to 13000 nt	0.0282	26.5	0.0099	8883	9.56
B5	B5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B5	B5	BLANK	4800 nt to 13000 nt	0.0002	0.2	NaN	NaN	NaN
B6	B6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN

B6	B6	BLANK	4800 nt to 13000 nt	0.0409	39.5	0.0132		9665	1.7
B7	B7	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN		3937	3.68
B7	B7	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN		8280	19.23
B8	B8	BLANK	3700 nt to 4800 nt	0.0773	1.6	0.0642		3756	0.79
B8	B8	BLANK	4800 nt to 13000 nt	0.3294	6.8	0.1264		8133	17.8
B9	B9	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN		4104	7
B9	B9	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN		8800	24.11
B10	B10	BLANK	3700 nt to 4800 nt	0.2164	0.5	0.1771		3811	4.32
B10	B10	BLANK	4800 nt to 13000 nt	0.1605	0.4	0.0801		6251	16.86
B11	B11	2107002694 FE3	3700 nt to 4800 nt	81.7445	68.9	62.0269		4111	4.16
B11	B11	2107002694 FE3	4800 nt to 13000 nt	3.6584	3.1	1.7381		6567	23.19
B12	B12	2103001141 EE8	3700 nt to 4800 nt	66.2012	56.6	50.2151		4113	4.36
B12	B12	2103001141 EE8	4800 nt to 13000 nt	1.5325	1.3	0.7593		6297	22.4
C1	C1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
C1	C1	BLANK	4800 nt to 13000 nt	0.0443	2.2	0.0171		8085	14.56
C2	C2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN		3903	3.66
C2	C2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN		8138	19.43
C3	C3	BLANK	3700 nt to 4800 nt	0.0157	1.5	0.0132		3719	0.39
C3	C3	BLANK	4800 nt to 13000 nt	0.0548	5.2	0.0194		8797	9.14
C4	C4	BLANK	3700 nt to 4800 nt	0.0073	1.2	0.0059		3845	0.59
C4	C4	BLANK	4800 nt to 13000 nt	0.0065	1.1	0.0033		6206	19.35
C5	C5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
C5	C5	BLANK	4800 nt to 13000 nt	0	0	0		7287	0
C6	C6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
C6	C6	BLANK	4800 nt to 13000 nt	0.0049	100	0.0015		9967	1.93
C7	C7	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
C7	C7	BLANK	4800 nt to 13000 nt	0.2426	67.7	0.1002		7553	10.92
C8	C8	BLANK	3700 nt to 4800 nt	0.0002	0.1	0.0002		4000	0
C8	C8	BLANK	4800 nt to 13000 nt	0.0385	9.4	0.0164		7316	5.6
C9	C9	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN		3793	1.4
C9	C9	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN	
C10	C10	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
C10	C10	BLANK	4800 nt to 13000 nt	0.0465	4.6	0.0182		7978	11.45
C11	C11	2107002694 FE3	3700 nt to 4800 nt	77.7222	68.4	59.0353		4107	4.15
C11	C11	2107002694 FE3	4800 nt to 13000 nt	3.4396	3	1.6362		6558	23.76
C12	C12	2103001141 EE8	3700 nt to 4800 nt	67.1481	56.9	51.1408		4096	4.26
C12	C12	2103001141 EE8	4800 nt to 13000 nt	1.6044	1.4	0.7894		6341	21.64
D1	D1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
D1	D1	BLANK	4800 nt to 13000 nt	0.0395	5.1	0.0155		7982	17.27
D2	D2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN		3777	1.37
D2	D2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN	
D3	D3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
D3	D3	BLANK	4800 nt to 13000 nt	0.011	100	0.0042		8180	12.19
D4	D4	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
D4	D4	BLANK	4800 nt to 13000 nt	0.0716	77.6	0.0312		7173	8.91
D5	D5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
D5	D5	BLANK	4800 nt to 13000 nt	0.0099	9.9	0.0039		7811	15.78
D6	D6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	
D6	D6	BLANK	4800 nt to 13000 nt	0.0343	91.2	0.0117		9177	7.12
D7	D7	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN	

D7	D7	BLANK	4800 nt to 13000 nt	0.0054	100	0.0018	9343	0.97
D8	D8	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D8	D8	BLANK	4800 nt to 13000 nt	0.0078	100	0.0026	9417	2.74
D9	D9	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D9	D9	BLANK	4800 nt to 13000 nt	0.004	16.1	0.0017	7361	11.27
D10	D10	BLANK	3700 nt to 4800 nt	0.1531	1.6	0.1125	4247	8.37
D10	D10	BLANK	4800 nt to 13000 nt	0.2979	3	0.1427	6515	16.89
D11	D11	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D11	D11	BLANK	4800 nt to 13000 nt	0.0342	83	0.0151	7043	8.83
D12	D12	LADDER						
D12								

Australian Government
Department of Health
Therapeutic Goods Administration

Laboratories Branch

Written By	[redacted]	**Date Validated**	10/06/2021
Authorised	[redacted]	**Validation Due**	10/06/2022
		Validation Status	Valid for use
Revision no.	1	**Analyst**	[redacted]
LIMS number	33325	**Assay Date**	20/07/2021

Pass/Fail Parameters

minimum	*cut off*	*maximum*
	[redacted]	
result >>	[redacted]	

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B1	BLANK	3700 nt to 4800 nt	0.0563	0.4	0.045	3897	1.45
3	C1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A2	BLANK	3700 nt to 4800 nt	0.0002	0.1	0.0002	3873	0.25
2	B2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3950	4.82
3	C2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3903	3.66
1	A3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C3	BLANK	3700 nt to 4800 nt	0.0157	1.5	0.0132	3719	0.39
1	A4	BLANK	3700 nt to 4800 nt	0.0168	0.2	0.0132	3946	1.93
2	B4	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C4	BLANK	3700 nt to 4800 nt	0.0073	1.2	0.0059	3845	0.59
1	A5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A7	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3908	0.42
2	B7	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3937	3.68
3	C7	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A8	BLANK	3700 nt to 4800 nt	0.0111	1.7	0.0087	3951	6.65
2	B8	BLANK	3700 nt to 4800 nt	0.0773	1.6	0.0642	3756	0.79
3	C8	BLANK	3700 nt to 4800 nt	0.0002	0.1	0.0002	4000	0
1	A9	BLANK	3700 nt to 4800 nt	0.0007	0.1	0.0006	3706	0
2	B9	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	4104	7
3	C9	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3793	1.4
1	A10	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B10	BLANK	3700 nt to 4800 nt	0.2164	0.5	0.1771	3811	4.32
3	C10	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A11	2107002694 FE3430	3700 nt to 4800 nt	77.2532	65.8	58.6045	4112	4.27
2	B11	2107002694 FE3430	3700 nt to 4800 nt	81.7445	68.9	62.0269	4111	4.16
3	C11	2107002694 FE3430	3700 nt to 4800 nt	77.7222	68.4	59.0353	4107	4.15
1	A12	2103001141 EE8493	3700 nt to 4800 nt	71.0246	56.7	54.0354	4101	4.21
2	B12	2103001141 EE8493	3700 nt to 4800 nt	66.2012	56.6	50.2151	4113	4.36
3	C12	2103001141 EE8493	3700 nt to 4800 nt	67.1481	56.9	51.1408	4096	4.26
1	D1	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	D2	BLANK	3700 nt to 4800 nt	NaN	NaN	NaN	3777	1.37
3	D3	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	D4	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	D5	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	D6	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	D7	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	D8	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	D9	BLANK	3700 nt to 4800 nt	0	0	NaN	NaN	NaN

% INTEGRITY SUMMARY

Sample ID	Average	stdev	%CV	
BLANK	0.13	0.23	173.21	FAIL
BLANK	0.10	#DIV/0!	#DIV/0!	FAIL
BLANK	0.50	0.87	173.21	FAIL
BLANK	0.47	0.64	137.77	FAIL
BLANK	0.00	0.00	#DIV/0!	FAIL
BLANK	0.00	0.00	#DIV/0!	FAIL
BLANK	0.00	#DIV/0!	#DIV/0!	FAIL
BLANK	1.13	0.90	79.08	FAIL
BLANK	0.10	#DIV/0!	#DIV/0!	FAIL
BLANK	0.17	0.29	173.21	FAIL
2107002694 FE3430	67.70	1.66	2.46	PASS
2103001141 EE8493	56.73	0.15	0.27	FAIL
BLANK	0.00	0.00	#DIV/0!	FAIL
BLANK	0.00	0.00	#DIV/0!	FAIL
BLANK	0.00	0.00	#DIV/0!	FAIL

COMMENTS

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	BLANK	4800 nt to 13000 nt	0.0386	100	0.013	9280	4.06
2	B1	BLANK	4800 nt to 13000 nt	0.02	0.1	0.0082	7623	11.86
3	C1	BLANK	4800 nt to 13000 nt	0.0443	2.2	0.0171	8085	14.56
1	A2	BLANK	4800 nt to 13000 nt	0.007	2	0.0027	8183	3.75
2	B2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	8237	21.21
3	C2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	8138	19.43
1	A3	BLANK	4800 nt to 13000 nt	0.0083	0.4	0.0032	7974	21.76
2	B3	BLANK	4800 nt to 13000 nt	0.0549	7.2	0.0183	9359	9.03
3	C3	BLANK	4800 nt to 13000 nt	0.0548	5.2	0.0194	8797	9.14

% LATE MIGRATING SPECIES SUMMARY

Sample ID	Average	stdev	%CV
BLANK	34.10	57.08	167.39
BLANK	2.00	#DIV/0!	#DIV/0!
BLANK	4.27	3.49	81.91

COMMENTS

1	A4	BLANK	4800 nt to 13000 nt	0.0611	0.9	0.0264	7228	19.02				
2	B4	BLANK	4800 nt to 13000 nt	0.0282	26.5	0.0099	8883	9.56	BLANK	9.50	14.72	154.98
3	C4	BLANK	4800 nt to 13000 nt	0.0065	1.1	0.0033	6206	19.35				
1	A5	BLANK	4800 nt to 13000 nt	0.0068	100	0.0024	8885	9.54				
2	B5	BLANK	4800 nt to 13000 nt	0.0002	0.2	NaN	NaN	NaN	BLANK	33.40	57.68	172.69
3	C5	BLANK	4800 nt to 13000 nt	0	0	0	7287	0				
1	A6	BLANK	4800 nt to 13000 nt	0.0053	100	0.0017	9812	0.58				
2	B6	BLANK	4800 nt to 13000 nt	0.0409	39.5	0.0132	9665	1.7	BLANK	79.83	34.93	43.75
3	C6	BLANK	4800 nt to 13000 nt	0.0049	100	0.0015	9967	1.93				
1	A7	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN				
2	B7	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	8280	19.23	BLANK	67.70	#DIV/0!	#DIV/0!
3	C7	BLANK	4800 nt to 13000 nt	0.2426	67.7	0.1002	7553	10.92				
1	A8	BLANK	4800 nt to 13000 nt	0.0353	5.5	0.0144	7658	11.65				
2	B8	BLANK	4800 nt to 13000 nt	0.3294	6.8	0.1264	8133	17.8	BLANK	7.23	1.99	27.45
3	C8	BLANK	4800 nt to 13000 nt	0.0385	9.4	0.0164	7316	5.6				
1	A9	BLANK	4800 nt to 13000 nt	0.0032	0.3	0.001	9672	0.17				
2	B9	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	8800	24.11	BLANK	0.30	#DIV/0!	#DIV/0!
3	C9	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN				
1	A10	BLANK	4800 nt to 13000 nt	0.0117	0.2	0.0051	7131	0.17				
2	B10	BLANK	4800 nt to 13000 nt	0.1605	0.4	0.0801	6251	16.86	BLANK	1.73	2.48	143.34
3	C10	BLANK	4800 nt to 13000 nt	0.0465	4.6	0.0182	7978	11.45				
1	A11	2107002694 FE3430	4800 nt to 13000 nt	3.2948	2.8	1.5735	6533	24.8				
2	B11	2107002694 FE3430	4800 nt to 13000 nt	3.6584	3.1	1.7381	6567	23.19	2107002694 FE3430	2.97	0.15	5.15
3	C11	2107002694 FE3430	4800 nt to 13000 nt	3.4396	3	1.6362	6558	23.76				
1	A12	2103001141 EE8493	4800 nt to 13000 nt	2.3203	1.9	1.0197	7099	25.44				
2	B12	2103001141 EE8493	4800 nt to 13000 nt	1.5325	1.3	0.7593	6297	22.4	2103001141 EE8493	1.53	0.32	20.96
3	C12	2103001141 EE8493	4800 nt to 13000 nt	1.6044	1.4	0.7894	6341	21.64				
1	D1	BLANK	4800 nt to 13000 nt	0.0395	5.1	0.0155	7982	17.27				
2	D2	BLANK	4800 nt to 13000 nt	NaN	NaN	NaN	NaN	NaN	BLANK	52.55	67.10	127.70
3	D3	BLANK	4800 nt to 13000 nt	0.011	100	0.0042	8180	12.19				
1	D4	BLANK	4800 nt to 13000 nt	0.0716	77.6	0.0312	7173	8.91				
2	D5	BLANK	4800 nt to 13000 nt	0.0099	9.9	0.0039	7811	15.78	BLANK	59.57	43.55	73.11
3	D6	BLANK	4800 nt to 13000 nt	0.0343	91.2	0.0117	9177	7.12				
1	D7	BLANK	4800 nt to 13000 nt	0.0054	100	0.0018	9343	0.97				
2	D8	BLANK	4800 nt to 13000 nt	0.0078	100	0.0026	9417	2.74	BLANK	72.03	48.44	67.25
3	D9	BLANK	4800 nt to 13000 nt	0.004	16.1	0.0017	7361	11.27				

This tab is only to be used if a repliace needs to be excluded from the analysis.

Enter raw data directly into this table. All averages/ pass fail will be calculated automatically using the pass/fail parameters entered in the Calculations tab.

									% INTEGRITY SUMMARY					COMMENTS
REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV	Sample ID	Average	stdev	%CV		
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														
1														
2									0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3														

Pass/Fail Parameters		
minimum	cut off	maximum
[redacted]		
result >>	[redacted]	

									% LATE MIGRATING SPECIES SUMMARY				COMMENTS
REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV	Sample ID	Average	stdev	%CV	
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													
1													
2									0	#DIV/0!	#DIV/0!	#DIV/0!	
3													

Pass/Fail Parameters

minimum	cut off	maximum
[redacted]		
result >>	[redacted]	

VALIDATION DATA

Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
A1	sample1-rep1	3500 nt to 5389 nt	5	10	12 5	4079	2
A1	sample1-rep1	5389 nt to 13000 nt	0 5	1	3.5	6774	0.2
A2	sample2-rep1	3500 nt to 5389 nt	10	20	22 5	4053	4
A2	sample2-rep1	5389 nt to 13000 nt	1	2	4.5	6916	0.4
A3	sample3-rep1	3500 nt to 5389 nt	15	30	32 5	4045	6
A3	sample3-rep1	5389 nt to 13000 nt	1 5	3	5.5	6870	0.6
A4	sample4-rep1	3500 nt to 5389 nt	20	40	42 5	4089	8
A4	sample4-rep1	5389 nt to 13000 nt	2	4	6.5	7320	0.8
A5	sample5-rep1	3500 nt to 5389 nt	25	50	52 5	4061	10
A5	sample5-rep1	5389 nt to 13000 nt	2 5	5	7.5	7135	1
A6	sample6-rep1	3500 nt to 5389 nt	30	60	62 5	4009	12
A6	sample6-rep1	5389 nt to 13000 nt	3	6	8.5	4079	1.2
A7	sample7-rep1	3500 nt to 5389 nt	35	70	72 5	4071	14
A7	sample7-rep1	5389 nt to 13000 nt	3 5	7	9.5	7717	1.4
A8	sample8-rep1	3500 nt to 5389 nt	40	80	82 5	4079	16
A8	sample8-rep1	5389 nt to 13000 nt	4	8	10 5	6774	1.6
A9	sample9-rep1	3500 nt to 5389 nt	45	90	92 5	4053	18
A9	sample9-rep1	5389 nt to 13000 nt	4 5	9	11 5	6916	1.8
A10	sample10-rep1	3500 nt to 5389 nt	50	100	102.5	4045	20
A10	sample10-rep1	5389 nt to 13000 nt	5	10	12 5	6870	2
A11	sample11-rep1	3500 nt to 5389 nt	55	110	112.5	4089	22
A11	sample11-rep1	5389 nt to 13000 nt	5 5	11	13 5	7320	2.2
A12	sample12-rep1	3500 nt to 5389 nt	60	120	122.5	4061	24
A12	sample12-rep1	5389 nt to 13000 nt	6	12	14 5	7135	2.4
B1	sample1-rep2	3500 nt to 5389 nt	5 5	11	13 5	4091	2.2
B1	sample1-rep2	5389 nt to 13000 nt	1.05	2	4.6	5534	0.42
B2	sample2-rep2	3500 nt to 5389 nt	10.5	21	23 5	4061	4.2
B2	sample2-rep2	5389 nt to 13000 nt	1.55	3	5.6	4079	0.62
B3	sample3-rep2	3500 nt to 5389 nt	15.5	31	33 5	4033	6.2
B3	sample3-rep2	5389 nt to 13000 nt	2.05	4	6.6	6807	0 82
B4	sample4-rep2	3500 nt to 5389 nt	20.5	41	43 5	4069	8.2
B4	sample4-rep2	5389 nt to 13000 nt	2.55	5	7.6	7000	1 02
B5	sample5-rep2	3500 nt to 5389 nt	25.5	51	53 5	4067	10.2
B5	sample5-rep2	5389 nt to 13000 nt	3.05	6	8.6	7094	1 22
B6	sample6-rep2	3500 nt to 5389 nt	30.5	61	63 5	3998	12.2
B6	sample6-rep2	5389 nt to 13000 nt	3.55	7	9.6	5436	1.42
B7	sample7-rep2	3500 nt to 5389 nt	35.5	71	73 5	4049	14.2
B7	sample7-rep2	5389 nt to 13000 nt	4.05	8	10.6	7570	1.62
B8	sample8-rep2	3500 nt to 5389 nt	40.5	81	83 5	4091	16.2
B8	sample8-rep2	5389 nt to 13000 nt	4.55	9	11.6	5534	1 82
B9	sample9-rep2	3500 nt to 5389 nt	45.5	91	93 5	4061	18.2
B9	sample9-rep2	5389 nt to 13000 nt	5.05	10	12.6	4079	2 02
B10	sample10-rep2	3500 nt to 5389 nt	50.5	101	103.5	4033	20.2
B10	sample10-rep2	5389 nt to 13000 nt	5.55	11	13.6	6807	2 22
B11	sample11-rep2	3500 nt to 5389 nt	55.5	111	113.5	4069	22.2
B11	sample11-rep2	5389 nt to 13000 nt	6.05	12	14.6	7000	2.42
B12	sample12-rep2	3500 nt to 5389 nt	60.5	121	123.5	4067	24.2
B12	sample12-rep2	5389 nt to 13000 nt	6.55	13	15.6	7094	2.62
C1	sample1-rep3	3500 nt to 5389 nt	6	12	14 5	4089	2.4
C1	sample1-rep3	5389 nt to 13000 nt	1.6	3	5.7	5684	0.64
C2	sample2-rep3	3500 nt to 5389 nt	11	22	24 5	4065	4.4
C2	sample2-rep3	5389 nt to 13000 nt	2.1	4	6.7	5530	0 84
C3	sample3-rep3	3500 nt to 5389 nt	16	32	34 5	4037	6.4
C3	sample3-rep3	5389 nt to 13000 nt	2.6	5	7.7	6551	1 04
C4	sample4-rep3	3500 nt to 5389 nt	21	42	44 5	4061	8.4
C4	sample4-rep3	5389 nt to 13000 nt	3.1	6	8.7	6970	1 24
C5	sample5-rep3	3500 nt to 5389 nt	26	52	54 5	4070	10.4
C5	sample5-rep3	5389 nt to 13000 nt	3.6	7	9.7	6740	1.44
C6	sample6-rep3	3500 nt to 5389 nt	31	62	64 5	4097	12.4
C6	sample6-rep3	5389 nt to 13000 nt	4.1	8	10.7	8653	1.64
C7	sample7-rep3	3500 nt to 5389 nt	36	72	74 5	4060	14.4
C7	sample7-rep3	5389 nt to 13000 nt	4.6	9	11.7	8404	1 84
C8	sample8-rep3	3500 nt to 5389 nt	41	82	84 5	4089	16.4
C8	sample8-rep3	5389 nt to 13000 nt	5.1	10	12.7	5684	2 04
C9	sample9-rep3	3500 nt to 5389 nt	46	92	94 5	4065	18.4
C9	sample9-rep3	5389 nt to 13000 nt	5.6	11	13.7	5530	2 24
C10	sample10-rep3	3500 nt to 5389 nt	51	102	104.5	4037	20.4
C10	sample10-rep3	5389 nt to 13000 nt	6.1	12	14.7	6551	2.44
C11	sample11-rep3	3500 nt to 5389 nt	56	112	114.5	4061	22.4
C11	sample11-rep3	5389 nt to 13000 nt	6.6	13	15.7	6970	2.64
C12	sample12-rep3	3500 nt to 5389 nt	61	122	124.5	4070	24.4

RESULTS FOR VALIDATION DATA

REPLICATE		Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
	1	A1	sample1-rep1	3500 nt to 5389 nt	5	10	12 5	4079	2
	2	B1	sample1-rep2	3500 nt to 5389 nt	5.5	11	13 5	4091	2.2
	3	C1	sample1-rep3	3500 nt to 5389 nt	6	12	14 5	4089	2.4
	1	A2	sample2-rep1	3500 nt to 5389 nt	10	20	22 5	4053	4
	2	B2	sample2-rep2	3500 nt to 5389 nt	10.5	21	23 5	4061	4.2
	3	C2	sample2-rep3	3500 nt to 5389 nt	11	22	24 5	4065	4.4
	1	A3	sample3-rep1	3500 nt to 5389 nt	15	30	32 5	4045	6
	2	B3	sample3-rep2	3500 nt to 5389 nt	15.5	31	33 5	4033	6.2
	3	C3	sample3-rep3	3500 nt to 5389 nt	16	32	34 5	4037	6.4
	1	A4	sample4-rep1	3500 nt to 5389 nt	20	40	42 5	4089	8
	2	B4	sample4-rep2	3500 nt to 5389 nt	20.5	41	43 5	4069	8.2
	3	C4	sample4-rep3	3500 nt to 5389 nt	21	42	44 5	4061	8.4
	1	A5	sample5-rep1	3500 nt to 5389 nt	25	50	52 5	4061	10
	2	B5	sample5-rep2	3500 nt to 5389 nt	25.5	51	53 5	4067	10.2
	3	C5	sample5-rep3	3500 nt to 5389 nt	26	52	54 5	4070	10.4
	1	A6	sample6-rep1	3500 nt to 5389 nt	30	60	62 5	4009	12
	2	B6	sample6-rep2	3500 nt to 5389 nt	30.5	61	63 5	3998	12.2
	3	C6	sample6-rep3	3500 nt to 5389 nt	31	62	64 5	4097	12.4
	1	A7	sample7-rep1	3500 nt to 5389 nt	35	70	72 5	4071	14
	2	B7	sample7-rep2	3500 nt to 5389 nt	35.5	71	73 5	4049	14.2
	3	C7	sample7-rep3	3500 nt to 5389 nt	36	72	74 5	4060	14.4
	1	A8	sample8-rep1	3500 nt to 5389 nt	40	80	82 5	4079	16
	2	B8	sample8-rep2	3500 nt to 5389 nt	40.5	81	83 5	4091	16.2
	3	C8	sample8-rep3	3500 nt to 5389 nt	41	82	84 5	4089	16.4
	1	A9	sample9-rep1	3500 nt to 5389 nt	45	90	92 5	4053	18
	2	B9	sample9-rep2	3500 nt to 5389 nt	45.5	91	93 5	4061	18.2
	3	C9	sample9-rep3	3500 nt to 5389 nt	46	92	94 5	4065	18.4
	1	A10	sample10-rep1	3500 nt to 5389 nt	50	100	102 5	4045	20
	2	B10	sample10-rep2	3500 nt to 5389 nt	50.5	101	103 5	4033	20.2
	3	C10	sample10-rep3	3500 nt to 5389 nt	51	102	104 5	4037	20.4
	1	A11	sample11-rep1	3500 nt to 5389 nt	55	110	112 5	4089	22
	2	B11	sample11-rep2	3500 nt to 5389 nt	55.5	111	113 5	4069	22.2
	3	C11	sample11-rep3	3500 nt to 5389 nt	56	112	114 5	4061	22.4
	1	A12	sample12-rep1	3500 nt to 5389 nt	60	120	122 5	4061	24
	2	B12	sample12-rep2	3500 nt to 5389 nt	60.5	121	123 5	4067	24.2
	3	C12	sample12-rep3	3500 nt to 5389 nt	61	122	124 5	4070	24.4
	1	D1	sample13-rep1	3500 nt to 5389 nt	65	130	15 5	4079	2.6
	2	D2	sample13-rep2	3500 nt to 5389 nt	65.5	131	25 5	3757	4.6
	3	D3	sample13-rep3	3500 nt to 5389 nt	66	132	35 5	4079	6.6
	1	D4	sample14-rep1	3500 nt to 5389 nt	70	140	45 5	4079	8.6
	2	D5	sample14-rep2	3500 nt to 5389 nt	70.5	141	55 5	5026	10.6
	3	D6	sample14-rep3	3500 nt to 5389 nt	71	142	65 5	5240	12.6
	1	D7	sample15-rep1	3500 nt to 5389 nt	75	150	75 5	5240	14.6
	2	D8	sample15-rep2	3500 nt to 5389 nt	75.5	151	85 5	4079	16.6
	3	D9	sample15-rep3	3500 nt to 5389 nt	76	152	95 5	3757	18.6

% INTEGRITY SUMMARY

Sample ID	Average	stdev	%CV		
sample1-rep1	11 00	1.00	9.09	FAIL	
sample2-rep1	21 00	1.00	4.76	FAIL	
sample3-rep1	31 00	1.00	3.23	FAIL	
sample4-rep1	41 00	1.00	2.44	FAIL	
sample5-rep1	51 00	1.00	1.96	FAIL	
sample6-rep1	61 00	1.00	1.64	PASS	
sample7-rep1	71 00	1.00	1.41	PASS	
sample8-rep1	81 00	1.00	1.23	PASS	
sample9-rep1	91 00	1.00	1.10	PASS	
sample10-rep1	101 00	1.00	0.99	PASS	
sample11-rep1	111 00	1.00	0.90	PASS	
sample12-rep1	121 00	1.00	0.83	PASS	
sample13-rep1	131 00	1.00	0.76	PASS	
sample14-rep1	141 00	1.00	0.71	PASS	
sample15-rep1	151 00	1.00	0.66	PASS	

REPLICATE		Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
	1	A1	sample1-rep1	5389 nt to 13000 nt	0.5	1	3 5	6774	0.2
	2	B1	sample1-rep2	5389 nt to 13000 nt	1 05	2	4.6	5534	0.42
	3	C1	sample1-rep3	5389 nt to 13000 nt	1.6	3	5.7	5684	0.64
	1	A2	sample2-rep1	5389 nt to 13000 nt	1	2	4 5	6916	0.4
	2	B2	sample2-rep2	5389 nt to 13000 nt	1 55	3	5.6	4079	0.62
	3	C2	sample2-rep3	5389 nt to 13000 nt	2.1	4	6.7	5530	0 84
	1	A3	sample3-rep1	5389 nt to 13000 nt	1.5	3	5 5	6870	0.6
	2	B3	sample3-rep2	5389 nt to 13000 nt	2 05	4	6.6	6807	0 82
	3	C3	sample3-rep3	5389 nt to 13000 nt	2.6	5	7.7	6551	1 04
	1	A4	sample4-rep1	5389 nt to 13000 nt	2	4	6 5	7320	0.8
	2	B4	sample4-rep2	5389 nt to 13000 nt	2 55	5	7.6	7000	1 02
	3	C4	sample4-rep3	5389 nt to 13000 nt	3.1	6	8.7	6970	1 24
	1	A5	sample5-rep1	5389 nt to 13000 nt	2.5	5	7 5	7135	1
	2	B5	sample5-rep2	5389 nt to 13000 nt	3 05	6	8.6	7094	1 22
	3	C5	sample5-rep3	5389 nt to 13000 nt	3.6	7	9.7	6740	1.44
	1	A6	sample6-rep1	5389 nt to 13000 nt	3	6	8 5	4079	1.2
	2	B6	sample6-rep2	5389 nt to 13000 nt	3 55	7	9.6	5436	1.42
	3	C6	sample6-rep3	5389 nt to 13000 nt	4.1	8	10.7	8653	1.64
	1	A7	sample7-rep1	5389 nt to 13000 nt	3.5	7	9 5	7717	1.4
	2	B7	sample7-rep2	5389 nt to 13000 nt	4 05	8	10.6	7570	1.62
	3	C7	sample7-rep3	5389 nt to 13000 nt	4.6	9	11.7	8404	1 84

% LATE MIGRATING SPECIES SUMMARY

Sample ID	Average	stdev	%CV	
sample1-rep1	2 00	1.00	50.00	
sample2-rep1	3 00	1.00	33.33	
sample3-rep1	4 00	1.00	25.00	
sample4-rep1	5 00	1.00	20.00	
sample5-rep1	6 00	1.00	16.67	
sample6-rep1	7 00	1.00	14.29	
sample7-rep1	8 00	1.00	12.50	

C12	sample12-rep3	5389 nt to 13000 nt	7.1	14	16.7	6740	2 84
D1	sample13-rep1	3500 nt to 5389 nt	65	130	15 5	4079	2.6
D1	sample13-rep1	5389 nt to 13000 nt	2.15	13	6.8	4079	0 86
D2	sample13-rep2	3500 nt to 5389 nt	65.5	131	25 5	3757	4.6
D2	sample13-rep2	5389 nt to 13000 nt	2.65	14	7.8	9444	1 06
D3	sample13-rep3	3500 nt to 5389 nt	66	132	35 5	4079	6.6
D3	sample13-rep3	5389 nt to 13000 nt	3.15	15	8.8	4079	1 26
D4	sample14-rep1	3500 nt to 5389 nt	70	140	45 5	4079	8.6
D4	sample14-rep1	5389 nt to 13000 nt	3.65	14	9.8	4079	1.46
D5	sample14-rep2	3500 nt to 5389 nt	70.5	141	55 5	5026	10.6
D5	sample14-rep2	5389 nt to 13000 nt	4.15	15	10 8	6983	1.66
D6	sample14-rep3	3500 nt to 5389 nt	71	142	65 5	5240	12.6
D6	sample14-rep3	5389 nt to 13000 nt	4.65	16	11 8	6440	1 86
D7	sample15-rep1	3500 nt to 5389 nt	75	150	75 5	5240	14.6
D7	sample15-rep1	5389 nt to 13000 nt	5.15	15	12 8	6440	2 06
D8	sample15-rep2	3500 nt to 5389 nt	75.5	151	85 5	4079	16.6
D8	sample15-rep2	5389 nt to 13000 nt	5.65	16	13 8	4079	2 26
D9	sample15-rep3	3500 nt to 5389 nt	76	152	95 5	3757	18.6
D9	sample15-rep3	5389 nt to 13000 nt	6.15	17	14 8	9444	2.46
D10	Blank-rep1	3500 nt to 5389 nt	80	160	105 5	4079	20.6
D10	Blank-rep1	5389 nt to 13000 nt	6.65	16	15 8	4079	2.66
D11	Blank2-rep1	3500 nt to 5389 nt	80.5	161	115.5	4079	22.6
D11	Blank2-rep1	5389 nt to 13000 nt	7.15	17	16 8	4079	2 86
D12	Ladder	3500 nt to 5389 nt	81	162	125.5	5026	24.6
D12	Ladder	5389 nt to 13000 nt	7.65	18	17 8	6983	3 06

1	A8	sample8-rep1	5389 nt to 13000 nt	4	8	10 5	6774	1.6	sample8-rep1	9 00	1.00	11.11
2	B8	sample8-rep2	5389 nt to 13000 nt	4 55	9	11.6	5534	1 82				
3	C8	sample8-rep3	5389 nt to 13000 nt	5.1	10	12.7	5684	2 04				
1	A9	sample9-rep1	5389 nt to 13000 nt	4.5	9	11 5	6916	1.8	sample9-rep1	10 00	1.00	10.00
2	B9	sample9-rep2	5389 nt to 13000 nt	5 05	10	12.6	4079	2 02				
3	C9	sample9-rep3	5389 nt to 13000 nt	5.6	11	13.7	5530	2 24				
1	A10	sample10-rep1	5389 nt to 13000 nt	5	10	12 5	6870	2	sample10-rep1	11.00	1.00	9.09
2	B10	sample10-rep2	5389 nt to 13000 nt	5 55	11	13.6	6807	2 22				
3	C10	sample10-rep3	5389 nt to 13000 nt	6.1	12	14.7	6551	2.44				
1	A11	sample11-rep1	5389 nt to 13000 nt	5.5	11	13 5	7320	2.2	sample11-rep1	12 00	1.00	8.33
2	B11	sample11-rep2	5389 nt to 13000 nt	6 05	12	14.6	7000	2.42				
3	C11	sample11-rep3	5389 nt to 13000 nt	6.6	13	15.7	6970	2.64				
1	A12	sample12-rep1	5389 nt to 13000 nt	6	12	14 5	7135	2.4	sample12-rep1	13 00	1.00	7.69
2	B12	sample12-rep2	5389 nt to 13000 nt	6 55	13	15.6	7094	2.62				
3	C12	sample12-rep3	5389 nt to 13000 nt	7.1	14	16.7	6740	2 84				
1	D1	sample13-rep1	5389 nt to 13000 nt	2.15	13	6 8	4079	0 86	sample13-rep1	14.00	1.00	7.14
2	D2	sample13-rep2	5389 nt to 13000 nt	2.65	14	7 8	9444	1 06				
3	D3	sample13-rep3	5389 nt to 13000 nt	3.15	15	8 8	4079	1 26				
1	D4	sample14-rep1	5389 nt to 13000 nt	3.65	14	9 8	4079	1.46	sample14-rep1	15.00	1.00	6.67
2	D5	sample14-rep2	5389 nt to 13000 nt	4.15	15	10 8	6983	1.66				
3	D6	sample14-rep3	5389 nt to 13000 nt	4.65	16	11 8	6440	1 86				
1	D7	sample15-rep1	5389 nt to 13000 nt	5.15	15	12 8	6440	2 06	sample15-rep1	16.00	1.00	6.25
2	D8	sample15-rep2	5389 nt to 13000 nt	5.65	16	13 8	4079	2 26				
3	D9	sample15-rep3	5389 nt to 13000 nt	6.15	17	14 8	9444	2.46				

VALIDATION DATA

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	sample1-rep1	3500 nt to 5389 nt	5	10	12 5	4079	2
2	B1	sample1-rep2	3500 nt to 5389 nt	5.5	11	13 5	4091	2 2
3	C1	sample1-rep3	3500 nt to 5389 nt	6	12	14 5	4089	2.4
1	A2	sample2-rep1	3500 nt to 5389 nt	10	20	22 5	4053	4
2	B2	sample2-rep2	3500 nt to 5389 nt	10.5	21	23 5	4061	4 2
3	C2	sample2-rep3	3500 nt to 5389 nt	11	22	24 5	4065	4.4
1	A3	sample3-rep1	3500 nt to 5389 nt	15	30	32 5	4045	6
2	B3	sample3-rep2	3500 nt to 5389 nt	15.5	31	33 5	4033	6 2
3	C3	sample3-rep3	3500 nt to 5389 nt	16	32	34 5	4037	6.4
1	A4	sample4-rep1	3500 nt to 5389 nt	20	40	42 5	4089	8
2	B4	sample4-rep2	3500 nt to 5389 nt	20.5	41	43 5	4069	8 2
3	C4	sample4-rep3	3500 nt to 5389 nt	21	42	44 5	4061	8.4
1	A5	sample5-rep1	3500 nt to 5389 nt	25	50	52 5	4061	10
2	B5	sample5-rep2	3500 nt to 5389 nt	25.5	51	53 5	4067	10.2
3	C5	sample5-rep3	3500 nt to 5389 nt	26	52	54 5	4070	10.4
1	A6	sample6-rep1	3500 nt to 5389 nt	30	60	62 5	4009	12
2	B6	sample6-rep2	3500 nt to 5389 nt	30.5	61	63 5	3998	12.2
3	C6	sample6-rep3	3500 nt to 5389 nt	31	62	64 5	4097	12.4
1	A7	sample7-rep1	3500 nt to 5389 nt	35	70	72 5	4071	14
2	B7	sample7-rep2	3500 nt to 5389 nt	35.5	71	73 5	4049	14.2
3	C7	sample7-rep3	3500 nt to 5389 nt	36	72	74 5	4060	14.4

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	sample1-rep1	5389 nt to 13000 nt	0.5	1	3.5	6774	0 2
2	B1	sample1-rep2	5389 nt to 13000 nt	1.05	2	4.6	5534	0.42
3	C1	sample1-rep3	5389 nt to 13000 nt	1.6	3	5.7	5684	0.64
1	A2	sample2-rep1	5389 nt to 13000 nt	1	2	4.5	6916	0.4
2	B2	sample2-rep2	5389 nt to 13000 nt	1.55	3	5.6	4079	0.62
3	C2	sample2-rep3	5389 nt to 13000 nt	2.1	4	6.7	5530	0.84
1	A3	sample3-rep1	5389 nt to 13000 nt	1.5	3	5.5	6870	0.6
2	B3	sample3-rep2	5389 nt to 13000 nt	2.05	4	6.6	6807	0.82
3	C3	sample3-rep3	5389 nt to 13000 nt	2.6	5	7.7	6551	1.04
1	A4	sample4-rep1	5389 nt to 13000 nt	2	4	6.5	7320	0 8
2	B4	sample4-rep2	5389 nt to 13000 nt	2.55	5	7.6	7000	1.02
3	C4	sample4-rep3	5389 nt to 13000 nt	3.1	6	8.7	6970	1.24
1	A5	sample5-rep1	5389 nt to 13000 nt	2.5	5	7.5	7135	1
2	B5	sample5-rep2	5389 nt to 13000 nt	3.05	6	8.6	7094	1.22
3	C5	sample5-rep3	5389 nt to 13000 nt	3.6	7	9.7	6740	1.44
1	A6	sample6-rep1	5389 nt to 13000 nt	3	6	8.5	4079	1 2
2	B6	sample6-rep2	5389 nt to 13000 nt	3.55	7	9.6	5436	1.42
3	C6	sample6-rep3	5389 nt to 13000 nt	4.1	8	10.7	8653	1.64
1	A7	sample7-rep1	5389 nt to 13000 nt	3.5	7	9.5	7717	1.4
2	B7	sample7-rep2	5389 nt to 13000 nt	4.05	8	10.6	7570	1.62
3	C7	sample7-rep3	5389 nt to 13000 nt	4.6	9	11.7	8404	1.84

RESULTS FOR VALIDATION DATA

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	sample1-rep1	3500 nt to 5389 nt	5	10	12.5	4079	2
2	B1	sample1-rep2	3500 nt to 5389 nt	5.5	11	13.5	4091	2.2
3	C1	sample1-rep3	3500 nt to 5389 nt	6	12	14.5	4089	2.4
1	A2	sample2-rep1	3500 nt to 5389 nt	10	20	22.5	4053	4
2	B2	sample2-rep2	3500 nt to 5389 nt	10 5	21	23.5	4061	4.2
3	C2	sample2-rep3	3500 nt to 5389 nt	11	22	24.5	4065	4.4
1	A3	sample3-rep1	3500 nt to 5389 nt	15	30	32.5	4045	6
2	B3	sample3-rep2	3500 nt to 5389 nt	15 5	31	33.5	4033	6.2
3	C3	sample3-rep3	3500 nt to 5389 nt	16	32	34.5	4037	6.4
1	A4	sample4-rep1	3500 nt to 5389 nt	20	40	42.5	4089	8
2	B4	sample4-rep2	3500 nt to 5389 nt	20 5	41	43.5	4069	8.2
3	C4	sample4-rep3	3500 nt to 5389 nt	21	42	44.5	4061	8.4
1	A5	sample5-rep1	3500 nt to 5389 nt	25	50	52.5	4061	10
2	B5	sample5-rep2	3500 nt to 5389 nt	25 5	51	53.5	4067	10.2
3	C5	sample5-rep3	3500 nt to 5389 nt	26	52	54.5	4070	10.4
1	A6	sample6-rep1	3500 nt to 5389 nt	30	60	62.5	4009	12
2	B6	sample6-rep2	3500 nt to 5389 nt	30 5	61	63.5	3998	12.2
3	C6	sample6-rep3	3500 nt to 5389 nt	31	62	64.5	4097	12.4
1	A7	sample7-rep1	3500 nt to 5389 nt	35	70	72.5	4071	14
2	B7	sample7-rep2	3500 nt to 5389 nt	35 5	71	73.5	4049	14.2
3	C7	sample7-rep3	3500 nt to 5389 nt	36	72	74.5	4060	14.4

% INTEGRITY SUMMARY

Sample ID	Average	stdev	%CV	
sample1-rep1	11.0	1 0	9.1	FAIL
sample2-rep1	21.0	1 0	4.8	FAIL
sample3-rep1	31.0	1 0	3.2	FAIL
sample4-rep1	41.0	1 0	2.4	FAIL
sample5-rep1	51.0	1 0	2.0	FAIL
sample6-rep1	61.0	1 0	1.6	PASS
sample7-rep1	71.0	1 0	1.4	PASS

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	sample1-rep1	5389 nt to 13000 nt	0.5	1	3 5	6774	0.2
2	B1	sample1-rep2	5389 nt to 13000 nt	1.05	2	4.6	5534	0.42
3	C1	sample1-rep3	5389 nt to 13000 nt	1.6	3	5.7	5684	0.64
1	A2	sample2-rep1	5389 nt to 13000 nt	1	2	4 5	6916	0.4
2	B2	sample2-rep2	5389 nt to 13000 nt	1.55	3	5.6	4079	0.62
3	C2	sample2-rep3	5389 nt to 13000 nt	2.1	4	6.7	5530	0.84
1	A3	sample3-rep1	5389 nt to 13000 nt	1.5	3	5 5	6870	0.6
2	B3	sample3-rep2	5389 nt to 13000 nt	2.05	4	6.6	6807	0.82
3	C3	sample3-rep3	5389 nt to 13000 nt	2.6	5	7.7	6551	1.04
1	A4	sample4-rep1	5389 nt to 13000 nt	2	4	6 5	7320	0.8
2	B4	sample4-rep2	5389 nt to 13000 nt	2.55	5	7.6	7000	1.02
3	C4	sample4-rep3	5389 nt to 13000 nt	3.1	6	8.7	6970	1.24
1	A5	sample5-rep1	5389 nt to 13000 nt	2.5	5	7 5	7135	1
2	B5	sample5-rep2	5389 nt to 13000 nt	3.05	6	8.6	7094	1.22
3	C5	sample5-rep3	5389 nt to 13000 nt	3.6	7	9.7	6740	1.44
1	A6	sample6-rep1	5389 nt to 13000 nt	3	6	8 5	4079	1.2
2	B6	sample6-rep2	5389 nt to 13000 nt	3.55	7	9.6	5436	1.42
3	C6	sample6-rep3	5389 nt to 13000 nt	4.1	8	10.7	8653	1.64
1	A7	sample7-rep1	5389 nt to 13000 nt	3.5	7	9 5	7717	1.4
2	B7	sample7-rep2	5389 nt to 13000 nt	4.05	8	10.6	7570	1.62
3	C7	sample7-rep3	5389 nt to 13000 nt	4.6	9	11.7	8404	1.84

Sample ID	Average	stdev	%CV
sample1-rep1	2 0	1.0	50.0
sample2-rep1	3 0	1.0	33.3
sample3-rep1	4 0	1.0	25.0
sample4-rep1	5 0	1.0	20.0
sample5-rep1	6 0	1.0	16.7
sample6-rep1	7 0	1.0	14.3
sample7-rep1	8 0	1.0	12.5