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	SampA1	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
A1	A1	SampA1	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
A2	A2	SampA2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A2	A2	SampA2	4800 nt to 13000 nt	0.0032	100	0.0012	8203	0.47
A3	A3	SampA3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A3	A3	SampA3	4800 nt to 13000 nt	0.0099	2.3	0.0039	7801	0.83
A4	A4	SampA4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A4	A4	SampA4	4800 nt to 13000 nt	0	0	NaN	NaN	NaN
A5	A5	SampA5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A5	A5	SampA5	4800 nt to 13000 nt	0.0176	100	0.007	7838	1.16
A6	A6	SampA6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A6	A6	SampA6	4800 nt to 13000 nt	0	0	NaN	NaN	NaN
A7	A7	SampA7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A7	A7	SampA7	4800 nt to 13000 nt	0.0298	11.7	0.0112	8326	1.14
A8	A8	SampA8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A8	A8	SampA8	4800 nt to 13000 nt	0.009	0.6	0.0035	8092	0.68
A9	A9	SampA9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A9	A9	SampA9	4800 nt to 13000 nt	0.0023	0.6	0.0009	7803	0.13
A10	A10	SampA10	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
A10	A10	SampA10	4800 nt to 13000 nt	0.0302	1	0.0118	7994	2.36
A11	A11	SampA11	3700 nt to 4800 nt	89.3746	70.3	67.4024	4137	4.15
A11	A11	SampA11	4800 nt to 13000 nt	2.4077	1.9	1.2252	6131	20.63
A12	A12	SampA12	3700 nt to 4800 nt	69.0081	57.2	52.3241	4115	4.35
A12	A12	SampA12	4800 nt to 13000 nt	2.4054	2	1.0769	6968	24.81
B1	B1	SampB1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B1	B1	SampB1	4800 nt to 13000 nt	0.0646	0.8	0.0247	8161	4.59
B2	B2	SampB2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B2	B2	SampB2	4800 nt to 13000 nt	0.0514	1	0.02	7996	0.21
B3	B3	SampB3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B3	B3	SampB3	4800 nt to 13000 nt	0.03	4.6	0.0117	8014	4.3
B4	B4	SampB4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B4	B4	SampB4	4800 nt to 13000 nt	0.0096	39.5	0.0037	8100	0.31
B5	B5	SampB5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B5	B5	SampB5	4800 nt to 13000 nt	0.032	100	0.0125	7978	0.94
B6	B6	SampB6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN

B6	B6	SampB6	4800 nt to 13000 nt	0.0138	100	0.0054	8021	0.74
B7	B7	SampB7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B7	B7	SampB7	4800 nt to 13000 nt	0.0633	100	0.0251	7882	0.22
B8	B8	SampB8	3700 nt to 4800 nt	0.0002	0.1	NaN	NaN	NaN
B8	B8	SampB8	4800 nt to 13000 nt	0.0122	2.9	0.0056	6747	7.73
B9	B9	SampB9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B9	B9	SampB9	4800 nt to 13000 nt	0.0279	1.1	0.0109	8000	0.91
B10	B10	SampB10	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
B10	B10	SampB10	4800 nt to 13000 nt	0	0	NaN	NaN	NaN
B11	B11	SampB11	3700 nt to 4800 nt	84.2506	69	64.0335	4105	4.13
B11	B11	SampB11	4800 nt to 13000 nt	2.8257	2.3	1.4372	6134	19.63
B12	B12	SampB12	3700 nt to 4800 nt	66.5287	56.9	50.5617	4105	4.37
B12	B12	SampB12	4800 nt to 13000 nt	2.2911	2	1.1083	6450	24.17
C1	C1	SampC1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C1	C1	SampC1	4800 nt to 13000 nt	0.0012	0.1	0.0005	8058	0.14
C2	C2	SampC2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C2	C2	SampC2	4800 nt to 13000 nt	0.0388	0.9	0.0144	8409	1.58
C3	C3	SampC3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C3	C3	SampC3	4800 nt to 13000 nt	0.0579	22.1	0.0225	8032	1.02
C4	C4	SampC4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C4	C4	SampC4	4800 nt to 13000 nt	0.006	67.5	0.0023	8186	0.81
C5	C5	SampC5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C5	C5	SampC5	4800 nt to 13000 nt	0.013	100	0.005	8163	0.21
C6	C6	SampC6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C6	C6	SampC6	4800 nt to 13000 nt	0	100	0	8615	0
C7	C7	SampC7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C7	C7	SampC7	4800 nt to 13000 nt	0.0001	0.5	NaN	NaN	NaN
C8	C8	SampC8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C8	C8	SampC8	4800 nt to 13000 nt	0.0147	84.7	0.0055	8346	1.56
C9	C9	SampC9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
C9	C9	SampC9	4800 nt to 13000 nt	0.1324	31.9	0.0502	8221	2.38
C10	C10	SampC10	3700 nt to 4800 nt	0.0002	0	0.0002	4231	0
C10	C10	SampC10	4800 nt to 13000 nt	0.0045	0.5	0.002	6979	5.49
C11	C11	SampC11	3700 nt to 4800 nt	84.064	68.4	63.7958	4111	4.23
C11	C11	SampC11	4800 nt to 13000 nt	3.336	2.7	1.6881	6166	20.55
C12	C12	SampC12	3700 nt to 4800 nt	62.4973	56.3	47.587	4097	4.37
C12	C12	SampC12	4800 nt to 13000 nt	2.467	2.2	1.1534	6673	25.91
D1	D1	SampD1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D1	D1	SampD1	4800 nt to 13000 nt	0.0104	2.2	0.0041	7964	0.81
D2	D2	SampD2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D2	D2	SampD2	4800 nt to 13000 nt	0.1196	9.2	0.0456	8182	1.49
D3	D3	SampD3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D3	D3	SampD3	4800 nt to 13000 nt	0.0058	100	0.0022	8104	2.48
D4	D4	SampD4	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
D4	D4	SampD4	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
D5	D5	SampD5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D5	D5	SampD5	4800 nt to 13000 nt	0.0047	21.9	0.0019	7800	0.97
D6	D6	SampD6	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
D6	D6	SampD6	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
D7	D7	SampD7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN

D7	D7	SampD7	4800 nt to 13000 nt	0.0199	72.8	0.0078	7900	1.12
D8	D8	SampD8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D8	D8	SampD8	4800 nt to 13000 nt	0.0075	100	0.003	7915	0.94
D9	D9	SampD9	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
D9	D9	SampD9	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
D10	D10	SampD10	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
D10	D10	SampD10	4800 nt to 13000 nt	0.0073	100	0.0031	7329	0.58
D11	D11	SampD11	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
D11	D11	SampD11	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
D12	D12	SampD12						
D12								

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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**	19/10/2021

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	SampA1	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
2	B1	SampB1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C1	SampC1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A2	SampA2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B2	SampB2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C2	SampC2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A3	SampA3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B3	SampB3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C3	SampC3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A4	SampA4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B4	SampB4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C4	SampC4	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A5	SampA5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B5	SampB5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C5	SampC5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A6	SampA6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B6	SampB6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C6	SampC6	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A7	SampA7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B7	SampB7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C7	SampC7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A8	SampA8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B8	SampB8	3700 nt to 4800 nt	0.0002	0.1	NaN	NaN	NaN
3	C8	SampC8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A9	SampA9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B9	SampB9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C9	SampC9	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	A10	SampA10	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	B10	SampB10	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	C10	SampC10	3700 nt to 4800 nt	0.0002	0	0.0002	4231	0
1	A11	SampA11	3700 nt to 4800 nt	89.3746	70.3	67.4024	4137	4.15
2	B11	SampB11	3700 nt to 4800 nt	84.2506	69	64.0335	4105	4.13
3	C11	SampC11	3700 nt to 4800 nt	84.064	68.4	63.7958	4111	4.23
1	A12	SampA12	3700 nt to 4800 nt	69.0081	57.2	52.3241	4115	4.35
2	B12	SampB12	3700 nt to 4800 nt	66.5287	56.9	50.5617	4105	4.37
3	C12	SampC12	3700 nt to 4800 nt	62.4973	56.3	47.587	4097	4.37
1	D1	SampD1	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	D2	SampD2	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	D3	SampD3	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
1	D4	SampD4	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
2	D5	SampD5	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	D6	SampD6	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN
1	D7	SampD7	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
2	D8	SampD8	3700 nt to 4800 nt	0	0	NaN	NaN	NaN
3	D9	SampD9	3700 nt to 4800 nt	0	NaN	NaN	NaN	NaN

% INTEGRITY SUMMARY

Sample ID	Average	stdev	%CV		COMMENTS
SampA1	0.00	0.00	#DIV/0!	FAIL	
SampA2	0.00	0.00	#DIV/0!	FAIL	
SampA3	0.00	0.00	#DIV/0!	FAIL	
SampA4	0.00	0.00	#DIV/0!	FAIL	
SampA5	0.00	0.00	#DIV/0!	FAIL	
SampA6	0.00	0.00	#DIV/0!	FAIL	
SampA7	0.00	0.00	#DIV/0!	FAIL	
SampA8	0.03	0.06	173.21	FAIL	
SampA9	0.00	0.00	#DIV/0!	FAIL	
SampA10	0.00	0.00	#DIV/0!	FAIL	
SampA11	69.23	0.97	1.40	PASS	2110003744 FL3560
SampA12	56.80	0.46	0.81	FAIL	2108002914 EE8493
SampD1	0.00	0.00	#DIV/0!	FAIL	
SampD4	0.00	#DIV/0!	#DIV/0!	FAIL	
SampD7	0.00	0.00	#DIV/0!	FAIL	

REPLICATE	Well	Sample ID	Range	ng/uL	% Total	nmole/L	Avg. Size	%CV
1	A1	SampA1	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN
2	B1	SampB1	4800 nt to 13000 nt	0.0646	0.8	0.0247	8161	4.59
3	C1	SampC1	4800 nt to 13000 nt	0.0012	0.1	0.0005	8058	0.14
1	A2	SampA2	4800 nt to 13000 nt	0.0032	100	0.0012	8203	0.47
2	B2	SampB2	4800 nt to 13000 nt	0.0514	1	0.02	7996	0.21
3	C2	SampC2	4800 nt to 13000 nt	0.0388	0.9	0.0144	8409	1.58
1	A3	SampA3	4800 nt to 13000 nt	0.0099	2.3	0.0039	7801	0.83
2	B3	SampB3	4800 nt to 13000 nt	0.03	4.6	0.0117	8014	4.3
3	C3	SampC3	4800 nt to 13000 nt	0.0579	22.1	0.0225	8032	1.02

% LATE MIGRATING SPECIES SUMMARY

Sample ID	Average	stdev	%CV	COMMENTS
SampA1	0.45	0.49	109.99	
SampA2	33.97	57.19	168.36	
SampA3	9.67	10.83	112.02	

1	A4	SampA4	4800 nt to 13000 nt	0	0	NaN	NaN	NaN				
2	B4	SampB4	4800 nt to 13000 nt	0.0096	39.5	0.0037	8100	0.31	SampA4	35.67	33.91	95.08
3	C4	SampC4	4800 nt to 13000 nt	0.006	67.5	0.0023	8186	0.81				
1	A5	SampA5	4800 nt to 13000 nt	0.0176	100	0.007	7838	1.16				
2	B5	SampB5	4800 nt to 13000 nt	0.032	100	0.0125	7978	0.94	SampA5	100.00	0.00	0.00
3	C5	SampC5	4800 nt to 13000 nt	0.013	100	0.005	8163	0.21				
1	A6	SampA6	4800 nt to 13000 nt	0	0	NaN	NaN	NaN				
2	B6	SampB6	4800 nt to 13000 nt	0.0138	100	0.0054	8021	0.74	SampA6	66.67	57.74	86.60
3	C6	SampC6	4800 nt to 13000 nt	0	100	0	8615	0				
1	A7	SampA7	4800 nt to 13000 nt	0.0298	11.7	0.0112	8326	1.14				
2	B7	SampB7	4800 nt to 13000 nt	0.0633	100	0.0251	7882	0.22	SampA7	37.40	54.50	145.73
3	C7	SampC7	4800 nt to 13000 nt	0.0001	0.5	NaN	NaN	NaN				
1	A8	SampA8	4800 nt to 13000 nt	0.009	0.6	0.0035	8092	0.68				
2	B8	SampB8	4800 nt to 13000 nt	0.0122	2.9	0.0056	6747	7.73	SampA8	29.40	47.91	162.94
3	C8	SampC8	4800 nt to 13000 nt	0.0147	84.7	0.0055	8346	1.56				
1	A9	SampA9	4800 nt to 13000 nt	0.0023	0.6	0.0009	7803	0.13				
2	B9	SampB9	4800 nt to 13000 nt	0.0279	1.1	0.0109	8000	0.91	SampA9	11.20	17.93	160.08
3	C9	SampC9	4800 nt to 13000 nt	0.1324	31.9	0.0502	8221	2.38				
1	A10	SampA10	4800 nt to 13000 nt	0.0302	1	0.0118	7994	2.36				
2	B10	SampB10	4800 nt to 13000 nt	0	0	NaN	NaN	NaN	SampA10	0.50	0.50	100.00
3	C10	SampC10	4800 nt to 13000 nt	0.0045	0.5	0.002	6979	5.49				
1	A11	SampA11	4800 nt to 13000 nt	2.4077	1.9	1.2252	6131	20.63				
2	B11	SampB11	4800 nt to 13000 nt	2.8257	2.3	1.4372	6134	19.63	SampA11	2.30	0.40	17.39
3	C11	SampC11	4800 nt to 13000 nt	3.336	2.7	1.6881	6166	20.55				2110003744 FL3560
1	A12	SampA12	4800 nt to 13000 nt	2.4054	2	1.0769	6968	24.81				
2	B12	SampB12	4800 nt to 13000 nt	2.2911	2	1.1083	6450	24.17	SampA12	2.07	0.12	5.59
3	C12	SampC12	4800 nt to 13000 nt	2.467	2.2	1.1534	6673	25.91				2108002914 EE8493
1	D1	SampD1	4800 nt to 13000 nt	0.0104	2.2	0.0041	7964	0.81				
2	D2	SampD2	4800 nt to 13000 nt	0.1196	9.2	0.0456	8182	1.49	SampD1	37.13	54.56	146.92
3	D3	SampD3	4800 nt to 13000 nt	0.0058	100	0.0022	8104	2.48				
1	D4	SampD4	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN				
2	D5	SampD5	4800 nt to 13000 nt	0.0047	21.9	0.0019	7800	0.97	SampD4	21.90	#DIV/0!	#DIV/0!
3	D6	SampD6	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN				
1	D7	SampD7	4800 nt to 13000 nt	0.0199	72.8	0.0078	7900	1.12				
2	D8	SampD8	4800 nt to 13000 nt	0.0075	100	0.003	7915	0.94	SampD7	86.40	19.23	22.26
3	D9	SampD9	4800 nt to 13000 nt	0	NaN	NaN	NaN	NaN				

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													
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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