

Fig. S1: Average DNA concentration and molarity of libraries constructed using the LITE pipeline across individual 96-well plates

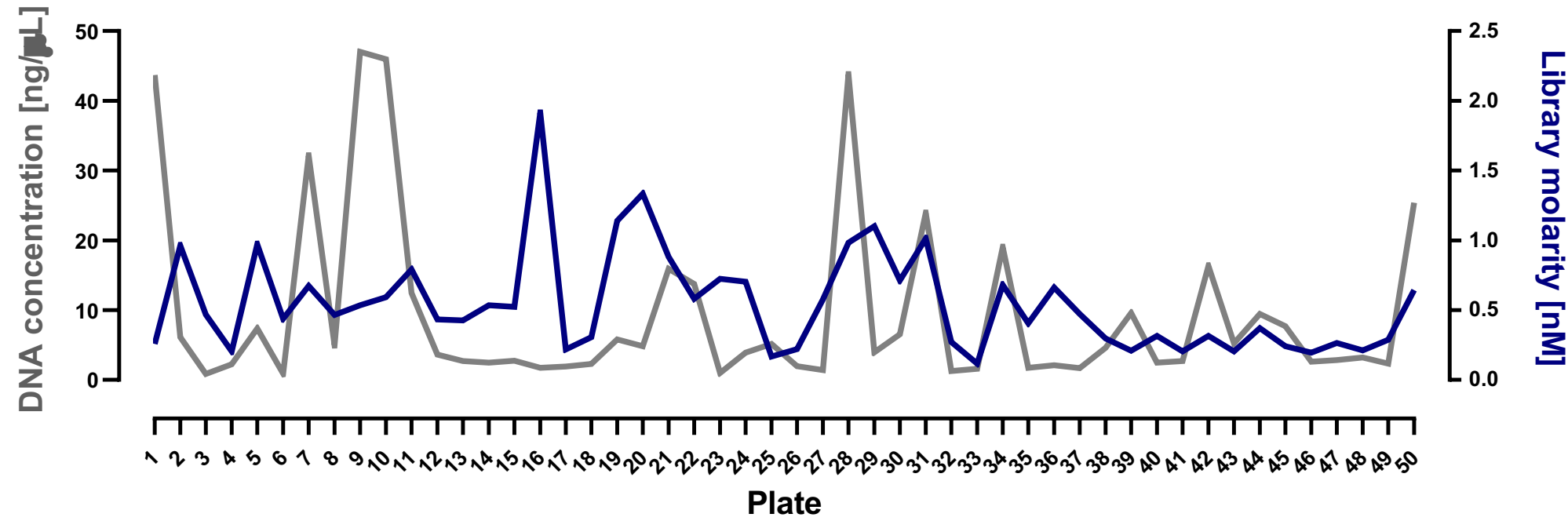


Fig. S2: Assessment of DNA integrity amongst libraries constructed using the LITE pipeline

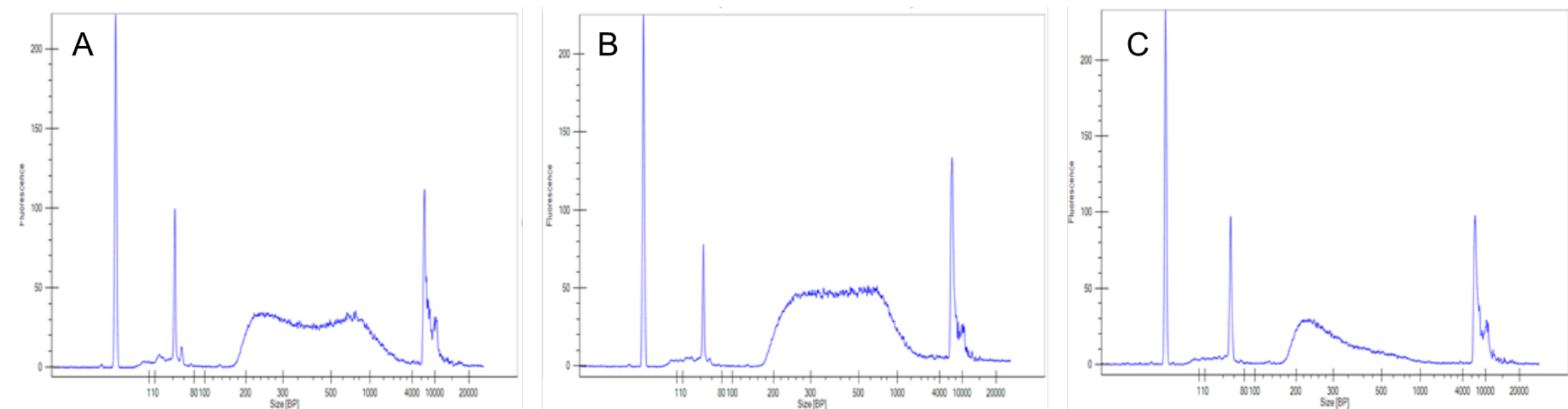
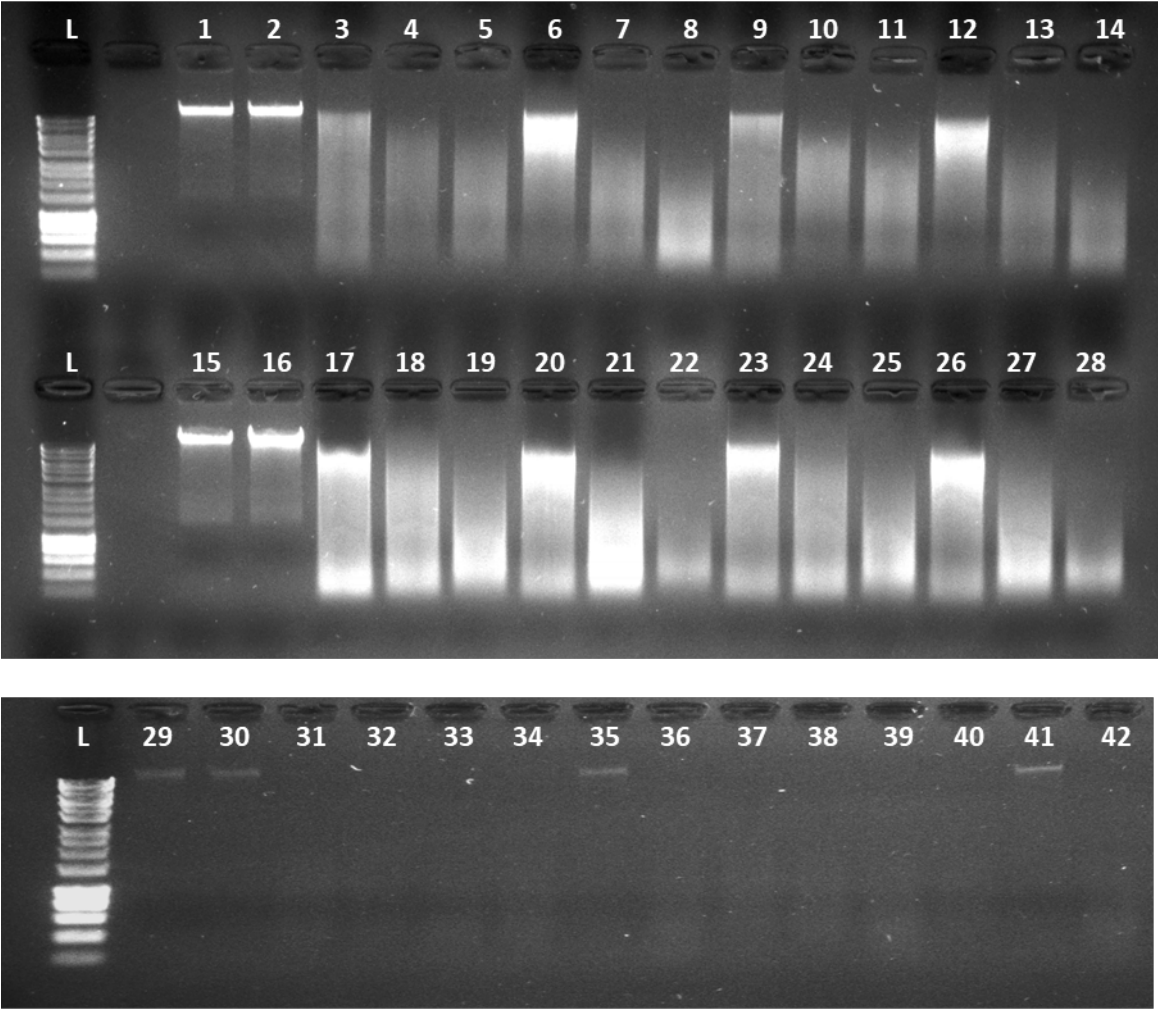


Fig. S3: Integrity assessment of DNA extraction of 42 isolates described in Supplementary Table 2



1% agarose/TAE (w/v) gel electrophoresis, run at 100 V for 30 min
L: HyperLadder 1 kb, Bioline

Lane	Sample	Temperature (°C)*	Time (min)*	Lane	Sample	Temperature (°C)*	Time (min)*
1	<i>E. coli</i> K12	N/A	N/A	22	<i>S. enterica</i> D23580	100	20
2	<i>E. coli</i> K12	N/A	N/A	23	<i>S. enterica</i> D23580	90	10
3	<i>E. coli</i> K12	90	10	24	<i>S. enterica</i> D23580	95	10
4	<i>E. coli</i> K12	95	10	25	<i>S. enterica</i> D23580	100	10
5	<i>E. coli</i> K12	100	10	26	<i>S. enterica</i> D23580	90	20
6	<i>E. coli</i> K12	90	20	27	<i>S. enterica</i> D23580	95	20
7	<i>E. coli</i> K12	95	20	28	<i>S. enterica</i> D23580	100	20
8	<i>E. coli</i> K12	100	20	29	<i>S. aureus</i> Newman	N/A	N/A
9	<i>E. coli</i> K12	90	10	30	<i>S. aureus</i> Newman	N/A	N/A
10	<i>E. coli</i> K12	95	10	31	<i>S. aureus</i> Newman	90	10
11	<i>E. coli</i> K12	100	10	32	<i>S. aureus</i> Newman	95	10
12	<i>E. coli</i> K12	90	20	33	<i>S. aureus</i> Newman	100	10
13	<i>E. coli</i> K12	95	20	34	<i>S. aureus</i> Newman	90	20
14	<i>E. coli</i> K12	100	20	35	<i>S. aureus</i> Newman	95	20
15	<i>S. enterica</i> D23580	N/A	N/A	36	<i>S. aureus</i> Newman	100	20
16	<i>S. enterica</i> D23580	N/A	N/A	37	<i>S. aureus</i> Newman	90	10
17	<i>S. enterica</i> D23580	90	10	38	<i>S. aureus</i> Newman	95	10
18	<i>S. enterica</i> D23580	95	10	39	<i>S. aureus</i> Newman	100	10
19	<i>S. enterica</i> D23580	100	10	40	<i>S. aureus</i> Newman	90	20
20	<i>S. enterica</i> D23580	90	20	41	<i>S. aureus</i> Newman	95	20
21	<i>S. enterica</i> D23580	95	20	42	<i>S. aureus</i> Newman	100	20

*N/A: not applicable