

Supplementary Information A. Thermometer Sequences

Naming convention

U2<basepair#><identity of base pair = A, G, U, C or 0>

S. No.	Name	Sequence
0	U2	<u>GGAUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
1	U210	<u>GAUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
2	U21A	<u><u>A</u>GAUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
3	U21C	<u><u>C</u>GAUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
4	U21U	<u><u>U</u>GAUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
5	U220	<u>G</u> <u>AUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
6	U22A	<u><u>G</u>AUCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
7	U22C	<u><u>G</u>C</u> AUCCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
8	U22U	<u><u>G</u>U</u> AUCCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
9	U230	<u>GG</u> <u>UCCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
10	U23C	<u>GG<u>C</u></u> UCCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
11	U23G	<u>GG<u>G</u></u> UCCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
12	U23U	<u>GG<u>U</u></u> UCCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
13	U240	<u>GGA</u> <u>CCCUCA</u> <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
14	U24A	<u>GGA<u>A</u></u> CCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
15	U24C	<u>GGA<u>C</u></u> CCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>
16	U24G	<u>GGA<u>G</u></u> CCCUCA <u>CUUACUAGUC</u> <u>UGCAG<u>A</u>AAGGA</u> <u>GAU<u>AU</u>ACCCA</u> <u>UGG</u>

S. No.	Name	Sequence
0	U2	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
17	U270	GGAUCC UCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
18	U27A	GGAUCCAUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
19	U27G	GGAUCCGUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
20	U27U	GGAUCCUUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
21	U280	GGAUCCC CA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
22	U28A	GGAUCCCACA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
23	U28C	GGAUCCCCCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
24	U28G	GGAUCCC GCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
25	U290	GGAUCCC U A CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
26	U29A	GGAUCCC UAA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
27	U29G	GGAUCCC UGA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
28	U29U	GGAUCCC UUA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
29	U2110	GGAUCCC UCA UUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
30	U211A	GGAUCCC UCA AUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
31	U211G	GGAUCCC UCA GUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
32	U211U	GGAUCCC UCA UUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG

S. No.	Name	Sequence
0	U2	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
33	U2120	GGAUCCCUCA C UACUAGUC UGCAGAAGGA GAUAUACCCA UGG
34	U212A	GGAUCCCUCA CAUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
35	U212C	GGAUCCCUCA CCUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
36	U212G	GGAUCCCUCA CGUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
37	U2130	GGAUCCCUCA CU ACUAGUC UGCAGAAGGA GAUAUACCCA UGG
38	U213A	GGAUCCCUCA CUAACUAGUC UGCAGAAGGA GAUAUACCCA UGG
39	U213C	GGAUCCCUCA CUCACUAGUC UGCAGAAGGA GAUAUACCCA UGG
40	U213G	GGAUCCCUCA CUGACUAGUC UGCAGAAGGA GAUAUACCCA UGG
41	U2150	GGAUCCCUCA CUUA UAGUC UGCAGAAGGA GAUAUACCCA UGG
42	U215A	GGAUCCCUCA CUUA AUAGUC UGCAGAAGGA GAUAUACCCA UGG
43	U215G	GGAUCCCUCA CUUAGUAGUC UGCAGAAGGA GAUAUACCCA UGG
44	U215U	GGAUCCCUCA CUUAUAGUC UGCAGAAGGA GAUAUACCCA UGG
45	U2160	GGAUCCCUCA CUUAC AGUC UGCAGAAGGA GAUAUACCCA UGG
46	U216A	GGAUCCCUCA CUUACAAGUC UGCAGAAGGA GAUAUACCCA UGG
47	U216C	GGAUCCCUCA CUUACAGUC UGCAGAAGGA GAUAUACCCA UGG
48	U216G	GGAUCCCUCA CUUACGAGUC UGCAGAAGGA GAUAUACCCA UGG

S. No.	Name	Sequence
0	U2	GGAUCCCUCA CUUACUAGUC UGC <u>A</u> AAGGA GAU <u>A</u> ACCCA UGG
49	U2240	GGAUCCCUCA CUUACUAGUC UGC GAAGGA GAU <u>A</u> ACCCA UGG
50	U224C	GGAUCCCUCA CUUACUAGUC UGC <u>C</u> AAGGA GAU <u>A</u> ACCCA UGG
51	U224G	GGAUCCCUCA CUUACUAGUC UGC <u>G</u> AAGGA GAU <u>A</u> ACCCA UGG
52	U224U	GGAUCCCUCA CUUACUAGUC UGC <u>U</u> AAGGA GAU <u>A</u> ACCCA UGG
53	U2250	GGAUCCCUCA CUUACUAGUC UGCA AAGGA GAU <u>A</u> ACCCA UGG
54	U225A	GGAUCCCUCA CUUACUAGUC UGCA <u>A</u> AAGGA GAU <u>A</u> ACCCA UGG
55	U225C	GGAUCCCUCA CUUACUAGUC UGCA <u>C</u> AAGGA GAU <u>A</u> ACCCA UGG
56	U225U	GGAUCCCUCA CUUACUAGUC UGCA <u>U</u> AAGGA GAU <u>A</u> ACCCA UGG
57	U2340	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAU UACCCA UGG
58	U234C	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAU <u>C</u> UACCCA UGG
59	U234G	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAU <u>G</u> UACCCA UGG
60	U234U	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAU <u>U</u> UACCCA UGG
61	U2350	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAUA ACCCA UGG
62	U235A	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAUA <u>A</u> ACCCA UGG
63	U235C	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAUA <u>C</u> ACCCA UGG
64	U235G	GGAUCCCUCA CUUACUAGUC UGCAG <u>A</u> AAGGA GAUA <u>G</u> ACCCA UGG

S. No.	Name	Sequence
0	U2	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
65	U2370	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUA CCA UGG
66	U237A	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUAACCA UGG
67	U237G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUAGCCA UGG
68	U237U	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUAUCCA UGG
69	U2380	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUAC CA UGG
70	U238A	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACACA UGG
71	U238G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACGCA UGG
72	U238U	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAUAUACUCA UGG
73	U2100	GGAUCCCUCC CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
74	U210C	GGAUCCCUCC C CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
75	U210G	GGAUCCCUCC G CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG
76	U210U	GGAUCCCUCC U CUUACUAGUC UGCAGAAGGA GAUAUACCCA UGG

Supplementary Information B. Primer Sequences

U210	<u>GAUCCCUACACUU ACUAGUCUGCAG AAGGAGAU</u>	U210_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGA_GATCCCTCACTTACTAGTCTGCAG
		U210_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGATC_TCCCAGAAATATAGCCATCCC
U21A	A GAUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U21A_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGA A GATCCCTCACTTACTAGTCTGCAG
		U21A_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGATC I TCCCAGAAATATAGCCATCCC
U21C	C GAUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U21C_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGA C GATCCCTCACTTACTAGTCTGCAG
		U21C_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGATC G TCCCAGAAATATAGCCATCCC
U21U	U GAUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U21U_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGA I GATCCCTCACTTACTAGTCTGCAG
		U21U_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGATC A TCCCAGAAATATAGCCATCCC
U220	<u>G_AUCCCUACACUU ACUAGUCUGCAG AAGGAGAU</u>	U220_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAG_ATCCCTCACTTACTAGTCTGCAG
		U220_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGAT_CTCCCAGAAATATAGCCATCC
U22A	A G_AUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U22A_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAG A ATCCCTCACTTACTAGTCTGCAG
		U22A_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGAT I CTCCCAGAAATATAGCCATCC
U22C	C G_AUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U22C_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAG C ATCCCTCACTTACTAGTCTGCAG
		U22C_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGAT G CTCCCAGAAATATAGCCATCC
U22U	U G_AUCCCUACACUU ACUAGUCUGCAG AAGGAGAU	U22U_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAG I ATCCCTCACTTACTAGTCTGCAG
		U22U_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGAT A CTCCCAGAAATATAGCCATCC
U230	<u>GG_UCCCUACACUU ACUAGUCUGCAG AAGGAGAU</u>	U230_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGG_TCCCTCACTTACTAGTCTGCAG
		U230_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGG_CCTCCCAGAAATATAGCCATCC
U23C	C GG_UCCCUACACUUACUAGUCUGCAGAAGGAGAU	U23C_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGG C TCCCTCACTTACTAGTCTGCAG
		U23C_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGG G CCTCCCAGAAATATAGCCATCC
U23G	G GG_UCCCUACACUUACUAGUCUGCAGAAGGAGAU	U23G_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGG G TCCCTCACTTACTAGTCTGCAG
		U23G_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGG C CCTCCCAGAAATATAGCCATCC
U23U	U GG_UCCCUACACUUACUAGUCUGCAGAAGGAGAU	U23U_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGG I TCCCTCACTTACTAGTCTGCAG
		U23U_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGGG A CCTCCCAGAAATATAGCCATCC
U240	<u>GGA_CCCUACACUU ACUAGUCUGCAG AAGGAGAU</u>	U240_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGGA_CCCTCACTTACTAGTCTGCAG
		U240_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGG_TCCCTCCCAGAAATATAGCCATCC
U24A	A GGA_CCCUACACUUACUAGUCUGCAGAAGGAGAU	U24A_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGGA A CCCTCACTTACTAGTCTGCAG
		U24A_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGG I TCCCTCCCAGAAATATAGCCATCC
U24C	C GGA_CCCUACACUUACUAGUCUGCAGAAGGAGAU	U24C_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGGA C CCCTCACTTACTAGTCTGCAG
		U24C_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGG G TCCCTCCCAGAAATATAGCCATCC
U24G	G GGA_CCCUACACUUACUAGUCUGCAGAAGGAGAU	U24G_F	GACGTGAGGGGGCAGGGATGGCTATATTTCTGGGAGGA G CCCTCACTTACTAGTCTGCAG
		U24G_R	GGGTATATCTCCTTCTGCAGACTAGTAAGTGAGGG C TCCCTCCCAGAAATATAGCCATCC
U270	<u>GGAUCC_UCACUU ACUAGUCUGCAG AAGGAGAU</u>	U270_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCC_TCACTTACTAGTCTGCAGAAGGAG
		U270_R	CCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGA_GGATCCTCCCAGAAATATAGCC
U27A	A GGAUCC_UCACUUACUAGUCUGCAGAAGGAGAU	U27A_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCC A TCACTTACTAGTCTGCAGAAGGAG
		U27A_R	CCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGA I GGATCCTCCCAGAAATATAGCC

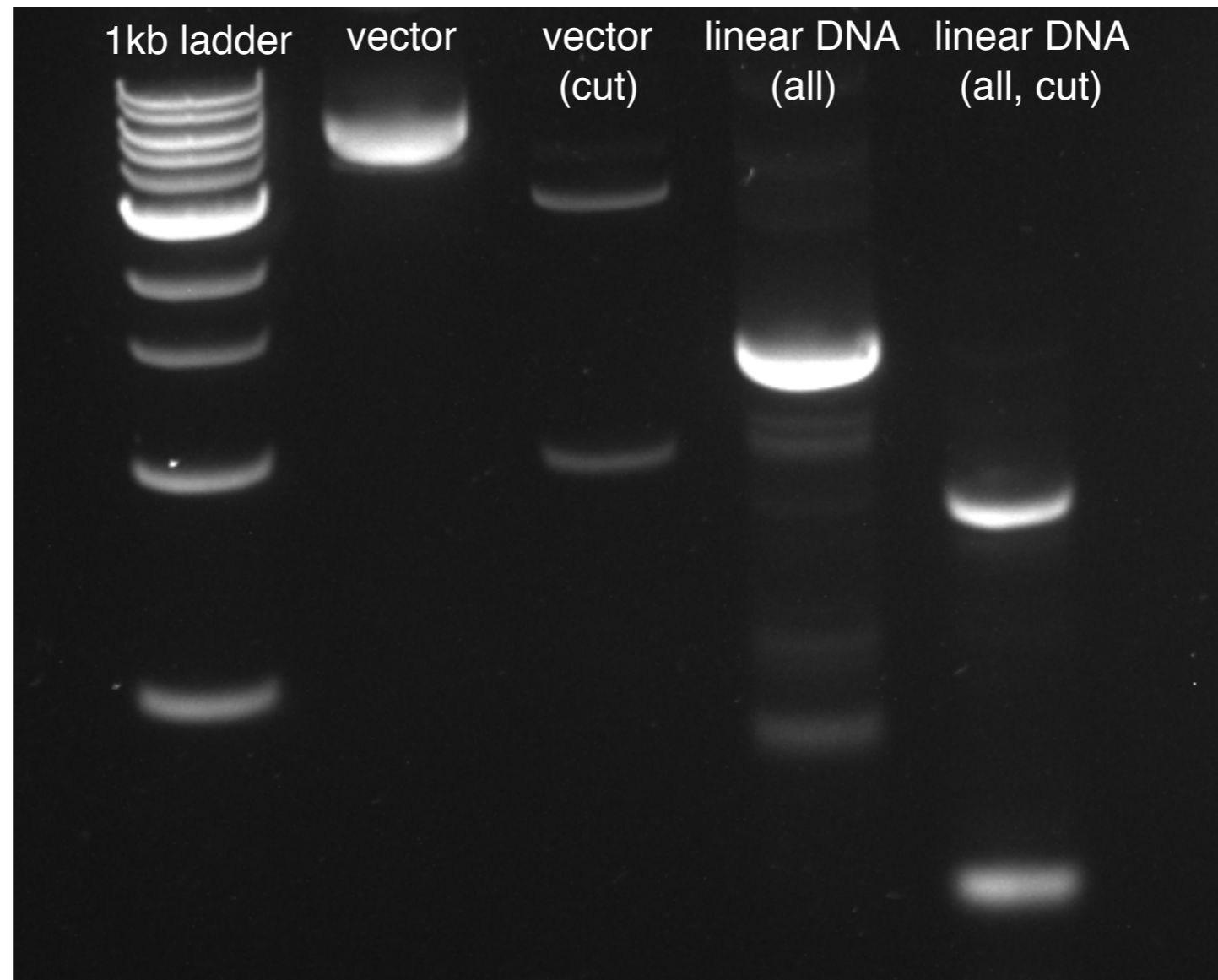
45	U27G	GGAUCC G UCACUUACUAGUCUGCAGAAGGAGAU	U27G_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCC G TCACTTACTAGTCTGCAGAAGGAG
46			U27G_R	CCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGA C GGATCCTCCCAGAAATATAGCC
47	U27U	GGAUCC U UCACUUACUAGUCUGCAGAAGGAGAU	U27U_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCC I TCACTTACTAGTCTGCAGAAGGAG
48			U27U_R	CCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGA A GGATCCTCCCAGAAATATAGCC
49				
50	U280	GGAUCCC_CACU U <i>ACUAGUCUGCAG</i> A AGGAGAU	U280_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCCC_CACTTACTAGTCTGCAGAAGGAGA
51			U280_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGGGGATCCTCCCAGAAATATAGC
52	U28A	GGAUCCC A CACUACUAGUCUGCAGAAGGAGAU	U28A_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCCC A CACTTACTAGTCTGCAGAAGGAGA
53			U28A_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGGGGATCCTCCCAGAAATATAGC
54	U28C	GGAUCCC C CACUACUAGUCUGCAGAAGGAGAU	U28C_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCCC C CACTTACTAGTCTGCAGAAGGAGA
55			U28C_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGGGGATCCTCCCAGAAATATAGC
56	U28G	GGAUCCC G CACUACUAGUCUGCAGAAGGAGAU	U28G_F	GGGGGCAGGGATGGCTATATTTCTGGGAGGATCCC G CACTTACTAGTCTGCAGAAGGAGA
57			U28G_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGTGGGGATCCTCCCAGAAATATAGC
58				
59	U290	GGAUCCCU_ACU U <i>ACUAGUCUGCAG</i> A AGGAGAU	U290_F	GGGGCAGGGATGGCTATATTTCTGGGAGGATCCCT_ACTTACTAGTCTGCAGAAGGAGAT
60			U290_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGT_AGGGATCCTCCCAGAAATATAGC
61	U29A	GGAUCCCU A ACUACUAGUCUGCAGAAGGAGAU	U29A_F	GGGGCAGGGATGGCTATATTTCTGGGAGGATCCCT A ACTTACTAGTCTGCAGAAGGAGAT
62			U29A_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGT_IAGGGATCCTCCCAGAAATATAGC
63	U29G	GGAUCCCU G ACUACUAGUCUGCAGAAGGAGAU	U29G_F	GGGGCAGGGATGGCTATATTTCTGGGAGGATCCCT G ACTTACTAGTCTGCAGAAGGAGAT
64			U29G_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGT_CAGGGATCCTCCCAGAAATATAGC
65	U29U	GGAUCCCU U ACUACUAGUCUGCAGAAGGAGAU	U29U_F	GGGGCAGGGATGGCTATATTTCTGGGAGGATCCCT I ACTTACTAGTCTGCAGAAGGAGAT
66			U29U_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGT_AAGGGATCCTCCCAGAAATATAGC
67				
68	U2110	GGAUCCCUCA_U U <i>ACUAGUCUGCAG</i> A AGGAGAU	U2110_F	GATGGCTATATTTCTGGGAGGATCCCTCA_TTACTAGTCTGCAGAAGGAGATATACC
69			U2110_R	CATGGGTATATCTCCTTCTGCAGACTAGTAA_TGAGGGATCCTCCCAGAAATATAG
70	U211A	GGAUCCCUCA A UUACUAGUCUGCAGAAGGAGAU	U211A_F	GATGGCTATATTTCTGGGAGGATCCCTCA A TTACTAGTCTGCAGAAGGAGATATACC
71			U211A_R	CATGGGTATATCTCCTTCTGCAGACTAGTAA_U TGAGGGATCCTCCCAGAAATATAG
72	U211G	GGAUCCCUCA G UUACUAGUCUGCAGAAGGAGAU	U211G_F	GATGGCTATATTTCTGGGAGGATCCCTCA G TTACTAGTCTGCAGAAGGAGATATACC
73			U211G_R	CATGGGTATATCTCCTTCTGCAGACTAGTAA_C TGAGGGATCCTCCCAGAAATATAG
74	U211U	GGAUCCCUCA U UUACUAGUCUGCAGAAGGAGAU	U211U_F	GATGGCTATATTTCTGGGAGGATCCCTCA I TTACTAGTCTGCAGAAGGAGATATACC
75			U211U_R	CATGGGTATATCTCCTTCTGCAGACTAGTAA_A TGAGGGATCCTCCCAGAAATATAG
76				
77	U2120	GGAUCCCUCAC_U U <i>ACUAGUCUGCAG</i> A AGGAGAU	U2120_F	GATGGCTATATTTCTGGGAGGATCCCTCAC_TACTAGTCTGCAGAAGGAGATATACC
78			U2120_R	CATGGGTATATCTCCTTCTGCAGACTAGTA_GTGAGGGATCCTCCCAGAAATATAG
79	U212A	GGAUCCCUCAC A U <i>ACUAGUCUGCAG</i> A AGGAGAU	U212A_F	GATGGCTATATTTCTGGGAGGATCCCTCAC A TACTAGTCTGCAGAAGGAGATATACC
80			U212A_R	CATGGGTATATCTCCTTCTGCAGACTAGTA_I TGAGGGATCCTCCCAGAAATATAG
81	U212C	GGAUCCCUCAC C U <i>ACUAGUCUGCAG</i> A AGGAGAU	U212C_F	GATGGCTATATTTCTGGGAGGATCCCTCAC C TACTAGTCTGCAGAAGGAGATATACC
82			U212C_R	CATGGGTATATCTCCTTCTGCAGACTAGTA_G TGAGGGATCCTCCCAGAAATATAG
83	U212G	GGAUCCCUCAC G U <i>ACUAGUCUGCAG</i> A AGGAGAU	U212G_F	GATGGCTATATTTCTGGGAGGATCCCTCAC G TACTAGTCTGCAGAAGGAGATATACC
84			U212G_R	CATGGGTATATCTCCTTCTGCAGACTAGTA_C TGAGGGATCCTCCCAGAAATATAG
85				
86	U2130	GGAUCCCUCACU_ <i>ACUAGUCUGCAG</i> A AGGAGAU	U2130_F	GATGGCTATATTTCTGGGAGGATCCCTCACT_ACTAGTCTGCAGAAGGAGATATACC
87			U2130_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGT_AGTGAGGGATCCTCCCAG

86	U2130	GGAUCCCUCACU_ <i>ACUAGUCUGCAG</i> A AGGAGAU	U2130_F	GATGGCTATATTTCTGGGAGGATCCCTCACT_ ACTAGTCTGCAGAAGGAGATATACC
87			U2130_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGT_ AGTGAGGGATCCTCCCAG
88	U213A	GGAUCCCUCACU A ACUAGUCUGCAGAAGGAGAU	U213A_F	GATGGCTATATTTCTGGGAGGATCCCTCACT A ACTAGTCTGCAGAAGGAGATATACC
89			U213A_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGT I AGTGAGGGATCCTCCCAG
90	U213C	GGAUCCCUCACU C ACUAGUCUGCAGAAGGAGAU	U213C_F	GATGGCTATATTTCTGGGAGGATCCCTCACT C ACTAGTCTGCAGAAGGAGATATACC
91			U213C_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGT G AGTGAGGGATCCTCCCAG
92	U213G	GGAUCCCUCACU G ACUAGUCUGCAGAAGGAGAU	U213G_F	GATGGCTATATTTCTGGGAGGATCCCTCACT G ACTAGTCTGCAGAAGGAGATATACC
93			U213G_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGT C AGTGAGGGATCCTCCCAG
94				
95	U2150	GGAUCCCUCACUU <i>A</i> <i>UAGUCUGCAG</i> A AGGAGAU	U2150_F	GGGATGGCTATATTTCTGGGAGGATCCCTCACTTA_ TAGTCTGCAGAAGGAGATATACCC
96			U2150_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTA_ TAAGTGAGGGATCCTCCCAG
97	U215A	GGAUCCCUCACUU A UAGUCUGCAGAAGGAGAU	U215A_F	GGGATGGCTATATTTCTGGGAGGATCCCTCACTTA A TAGTCTGCAGAAGGAGATATACCC
98			U215A_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTA I TAAGTGAGGGATCCTCCCAG
99	U215G	GGAUCCCUCACUU G UAGUCUGCAGAAGGAGAU	U215G_F	GGGATGGCTATATTTCTGGGAGGATCCCTCACTTA G TAGTCTGCAGAAGGAGATATACCC
00			U215G_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTA C TAAGTGAGGGATCCTCCCAG
01	U215U	GGAUCCCUCACUU U UAGUCUGCAGAAGGAGAU	U215U_F	GGGATGGCTATATTTCTGGGAGGATCCCTCACTTA I TAGTCTGCAGAAGGAGATATACCC
02			U215U_R	GTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTA A TAAGTGAGGGATCCTCCCAG
03				
04	U2160	GGAUCCCUCACUU <i>AC</i> <i>AGUCUGCAG</i> A AGGAGAU	U2160_F	GGGATGCCTATATTTCTGGGAGGATCCCTCACTTAC_ AGTCTGCAGAAGGAGATATACCC
05			U2160_R	CAGTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACT_ GTAAGTGAGGGATCCTCCC
06	U216A	GGAUCCCUCACUU A CAGUCUGCAGAAGGAGAU	U216A_F	GGGATGCCTATATTTCTGGGAGGATCCCTCACTTAC A AGTCTGCAGAAGGAGATATACCC
07			U216A_R	CAGTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACT I GTAAGTGAGGGATCCTCCC
08	U216C	GGAUCCCUCACUU C AGUCUGCAGAAGGAGAU	U216C_F	GGGATGCCTATATTTCTGGGAGGATCCCTCACTTAC C AGTCTGCAGAAGGAGATATACCC
09			U216C_R	CAGTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACT G GTAAGTGAGGGATCCTCCC
10	U216G	GGAUCCCUCACUU G AGUCUGCAGAAGGAGAU	U216G_F	GGGATGCCTATATTTCTGGGAGGATCCCTCACTTAC G AGTCTGCAGAAGGAGATATACCC
11			U216G_R	CAGTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACT C GTAAGTGAGGGATCCTCCC
12				
13	U2240	GGAUCCCUCACUUACUAGUCUGC_ G AAGGAGAU	U2240_F	CTATATTTCTGGGAGGATCCCTCACTTACTAGTCTGC_ GAAGGAGATATACCCATGGAGC
14			U2240_R	CGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_ GCAGACTAGTAAGTGAGGGATC
15	U224C	GGAUCCCUCACUUACUAGUCUGC C GAAGGAGAU	U224C_F	CTATATTTCTGGGAGGATCCCTCACTTACTAGTCTGC C GAAGGAGATATACCCATGGAGC
16			U224C_R	CGCCAGTGAAAAGCTCCATGGGTATATCTCCTT C GCAGACTAGTAAGTGAGGGATC
17	U224G	GGAUCCCUCACUUACUAGUCUGC G GAAGGAGAU	U224G_F	CTATATTTCTGGGAGGATCCCTCACTTACTAGTCTGC G GAAGGAGATATACCCATGGAGC
18			U224G_R	CGCCAGTGAAAAGCTCCATGGGTATATCTCCTT C GCAGACTAGTAAGTGAGGGATC
19	U224U	GGAUCCCUCACUUACUAGUCUGC U GAAGGAGAU	U224U_F	CTATATTTCTGGGAGGATCCCTCACTTACTAGTCTGC I GAAGGAGATATACCCATGGAGC
20			U224U_R	CGCCAGTGAAAAGCTCCATGGGTATATCTCCTT C GCAGACTAGTAAGTGAGGGATC
21				
22	U2250	GGAUCCCUCACUUACUAGUCUGCA_ A AGGA GAU	U2250_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA_ AAGGAGATATACCCATGGAGCT
23			U2250_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_ TGCAGACTAGTAAGTGAGGGATC
24	U225A	GGAUCCCUCACUUACUAGUCUGCA A AAGGA GAU	U225A_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA A AAGGAGATATACCCATGGAGCT
25			U225A_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT I TGCAGACTAGTAAGTGAGGGATC
26	U225C	GGAUCCCUCACUUACUAGUCUGCA C AAGGA GAU	U225C_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA C AAGGAGATATACCCATGGAGCT
27			U225C_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT G TGCAGACTAGTAAGTGAGGGATC
28	U225U	GGAUCCCUCACUUACUAGUCUGCA U AAGGA GAU	U225U_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA U AAGGAGATATACCCATGGAGCT
29			U225U_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT A TGCAGACTAGTAAGTGAGGGATC

122	U2250	GGAUCCCUCA CUUACUAGUC UGCA_AAGGA GAU	U2250_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA_AAGGAGATATACCCATGGAGCT
123			U2250_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_TGCAGACTAGTAAGTGAGGGATC
124	U225A	GGAUCCCUCA CUUACUAGUC UGCA_AAGGA GAU	U225A_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA_AAGGAGATATACCCATGGAGCT
125			U225A_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_I TGCAGACTAGTAAGTGAGGGATC
126	U225C	GGAUCCCUCA CUUACUAGUC UGCA_C AAGGA GAU	U225C_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA_C AAGGAGATATACCCATGGAGCT
127			U225C_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_G TGCAGACTAGTAAGTGAGGGATC
128	U225U	GGAUCCCUCA CUUACUAGUC UGCA_U AAGGA GAU	U225U_F	TATATTTCTGGGAGGATCCCTCACTTACTAGTCTGCA_U AAGGAGATATACCCATGGAGCT
129			U225U_R	CAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTT_A TGCAGACTAGTAAGTGAGGGATC
130				
131	U2340	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U2340_F	GAGGATCCCTCACTTACTAGTCTGCAGAAGGAGAT_TACCCATGGAGCTTTTCACTG
132			U2340_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGTATATCTCCTTCTGCAGACTAGTAAGTG
133	U234C	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U234C_F	GAGGATCCCTCACTTACTAGTCTGCAGAAGGAGAT_C TACCCATGGAGCTTTTCACTG
134			U234C_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGTAG_ATCTCCTTCTGCAGACTAGTAAGTG
135	U234G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U234G_F	GAGGATCCCTCACTTACTAGTCTGCAGAAGGAGAT_G TACCCATGGAGCTTTTCACTG
136			U234G_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGTAC_ATCTCCTTCTGCAGACTAGTAAGTG
137	U234U	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U234U_F	GAGGATCCCTCACTTACTAGTCTGCAGAAGGAGAT_U TACCCATGGAGCTTTTCACTG
138			U234U_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGTAA_ATCTCCTTCTGCAGACTAGTAAGTG
139				
140	U2350	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U2350_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATA_ACCCATGGAGCTTTTCACTG
141			U2350_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGT_TATCTCCTTCTGCAGACTAGTAAGTG
142	U235A	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U235A_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATA_A ACCCATGGAGCTTTTCACTG
143			U235A_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGT_I TATCTCCTTCTGCAGACTAGTAAGTG
144	U235C	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U235C_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATA_C ACCCATGGAGCTTTTCACTG
145			U235C_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGT_G TATCTCCTTCTGCAGACTAGTAAGTG
146	U235G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U235G_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATA_G ACCCATGGAGCTTTTCACTG
147			U235G_R	GGGAACAACGCCAGTGAAAAGCTCCATGGGT_C TATCTCCTTCTGCAGACTAGTAAGTG
148				
149	U2370	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U2370_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_CCATGGAGCTTTTCACTGGC
150			U2370_R	GGGAACAACGCCAGTGAAAAGCTCCATGG_TATATCTCCTTCTGCAGACTAGTAAGTG
151	U237A	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U237A_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_A CCATGGAGCTTTTCACTGGC
152			U237A_R	GGGAACAACGCCAGTGAAAAGCTCCATGG_I TATATCTCCTTCTGCAGACTAGTAAGTG
153	U237G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U237G_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_G CCATGGAGCTTTTCACTGGC
154			U237G_R	GGGAACAACGCCAGTGAAAAGCTCCATGG_C TATATCTCCTTCTGCAGACTAGTAAGTG
155	U237U	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U237U_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_I CCATGGAGCTTTTCACTGGC
156			U237U_R	GGGAACAACGCCAGTGAAAAGCTCCATGG_A TATATCTCCTTCTGCAGACTAGTAAGTG
157				
158	U2380	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U2380_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_CATGGAGCTTTTCACTGGCG
159			U2380_R	ATGGGAACAACGCCAGTGAAAAGCTCCATG_GTATATCTCCTTCTGCAGACTAGTAAG
160	U238A	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U238A_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_CATGGAGCTTTTCACTGGCG
161			U238A_R	ATGGGAACAACGCCAGTGAAAAGCTCCATG_I GTATATCTCCTTCTGCAGACTAGTAAG
162	U238G	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U238C_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_GCATGGAGCTTTTCACTGGCG
163			U238C_R	ATGGGAACAACGCCAGTGAAAAGCTCCATG_CGTATATCTCCTTCTGCAGACTAGTAAG
164	U238U	GGAUCCCUCA CUUACUAGUC UGCAGAAGGA GAL	U238G_F	GATCCCTCACTTACTAGTCTGCAGAAGGAGATATA_I CATGGAGCTTTTCACTGGCG
165			U238G_R	ATGGGAACAACGCCAGTGAAAAGCTCCATG_AGTATATCTCCTTCTGCAGACTAGTAAG

167	U2100 (U9)	GGAUCCUC_CUU ACUAGUCUGCAG AAGGAGAU	U2100_F	CAGGGATGGI TATATTTCTGGGAGGATCCCTC_CTTACTAGTCTGCAGAAGGAGATATAC
168			U2100_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAG_GAGGGATCCTCCCAGAAATATAGC
169	U210C	GGAUCCUC_CUU ACUAGUCUGCAG AAGGAGAU	U210C_F	CAGGGATGGCTATATTTCTGGGAGGATCCCTC_CTTACTAGTCTGCAGAAGGAGATATAC
170			U210C_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAG_GAGGGATCCTCCCAGAAATATAGC
171	U210G	GGAUCCUC_GUU ACUAGUCUGCAG AAGGAGAU	U210G_F	CAGGGATGGCTATATTTCTGGGAGGATCCCTC_GTTACTAGTCTGCAGAAGGAGATATAC
172			U210G_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAG_GAGGGATCCTCCCAGAAATATAGC
173	U210U	GGAUCCUC_UUU ACUAGUCUGCAG AAGGAGAU	U210U_F	CAGGGATGGCTATATTTCTGGGAGGATCCCTC_ICTTACTAGTCTGCAGAAGGAGATATAC
174			U210U_R	CTCCATGGGTATATCTCCTTCTGCAGACTAGTAAG_AGAGGGATCCTCCCAGAAATATAGC

Supplementary Information C. Gel



Mixture of all linear DNA from the library has very strong band at expected size (column 4).