

Figure 4c

Lanes

- 1 Control - 8 mM Mg²⁺
- 2 Control - 4 mM Mg²⁺
- 3 Control - 2 mM Mg²⁺
- 4 Control - 1 mM Mg²⁺
- 5 Control - 0.5 mM Mg²⁺
- 6 Control - 0.25 mM Mg²⁺
- 7 Flow cell - 8 mM Mg²⁺
- 8 Flow cell - 4 mM Mg²⁺
- 9 Flow cell - 2 mM Mg²⁺
- 10 Flow cell - 1 mM Mg²⁺
- 11 Flow cell - 0.5 mM Mg²⁺
- 12 Flow cell - 0.25 mM Mg²⁺
- 13 Data not in manuscript
- 14 Data not in manuscript
- 15 Data not in manuscript
- 16 IDT 10/60 ladder

IDT 10/60 ladder:

- 60 nt
- 50 nt
- 40 nt
- 30 nt
- 25
- 20
- 15
- 10

Cy5



SYBER gold

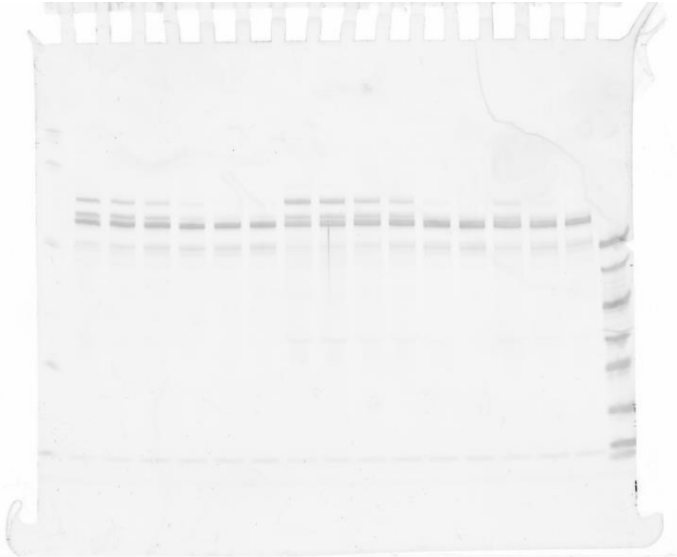


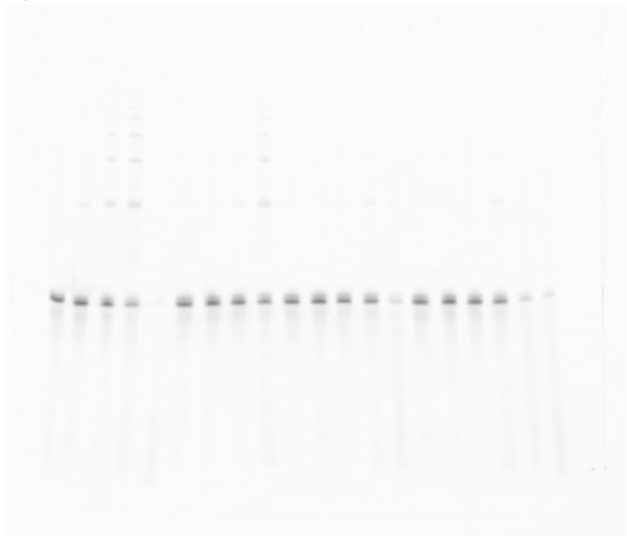
Figure 4h

Lanes

- 1 IDT 20/100 ladder
- 2 1000x NaCl / 4 mM Mg^{2+}
- 3 10x NaCl / 4 mM Mg^{2+}
- 4 0x NaCl / 4 mM Mg^{2+}
- 5 Flow cell / 4 mM Mg^{2+}
- 6 Data not in manuscript
- 7 1000x NaCl / 1 mM Mg^{2+}
- 8 10x NaCl / 1 mM Mg^{2+}
- 9 0x NaCl / 1 mM Mg^{2+}
- 10 Flow cell / 1 mM Mg^{2+}
- 11 Data not in manuscript
- 12 1000x NaCl / 0.5 mM Mg^{2+}
- 13 10x NaCl / 0.5 mM Mg^{2+}
- 14 0x NaCl / 0.5 mM Mg^{2+}
- 15 Flow cell / 0.5 mM Mg^{2+}
- 16 Data not in manuscript
- 17 1000x NaCl / 0.25 mM Mg^{2+}
- 18 10x NaCl / 0.25 mM Mg^{2+}
- 19 0x NaCl / 0.25 mM Mg^{2+}
- 20 Flow cell / 0.25 mM Mg^{2+}
- 21 Data not in manuscript
- 22 IDT 20/100 ladder

IDT 20/100 ladder:	100 nt
	90 nt
	80 nt
	70 nt
	60 nt
	50 nt
	40 nt
	30 nt
	20 nt

Cy5



SYBER gold

