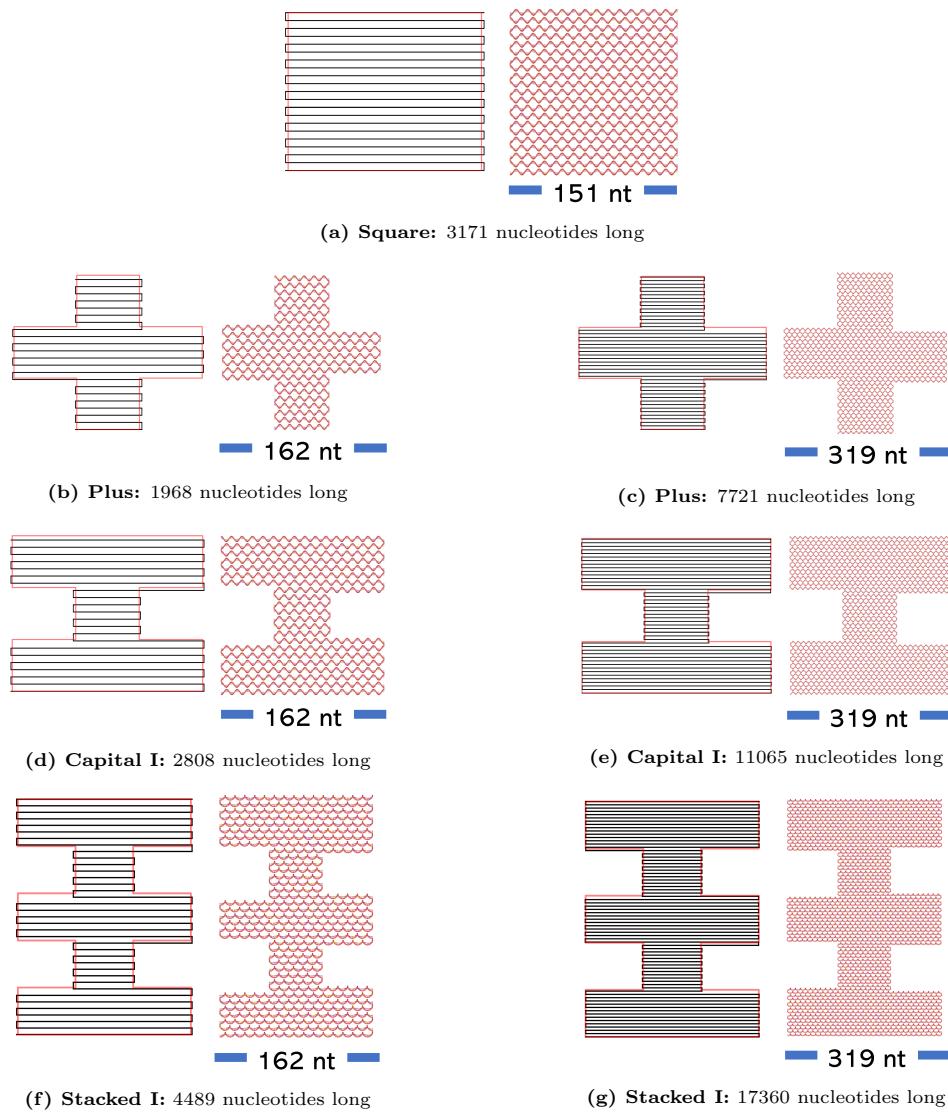


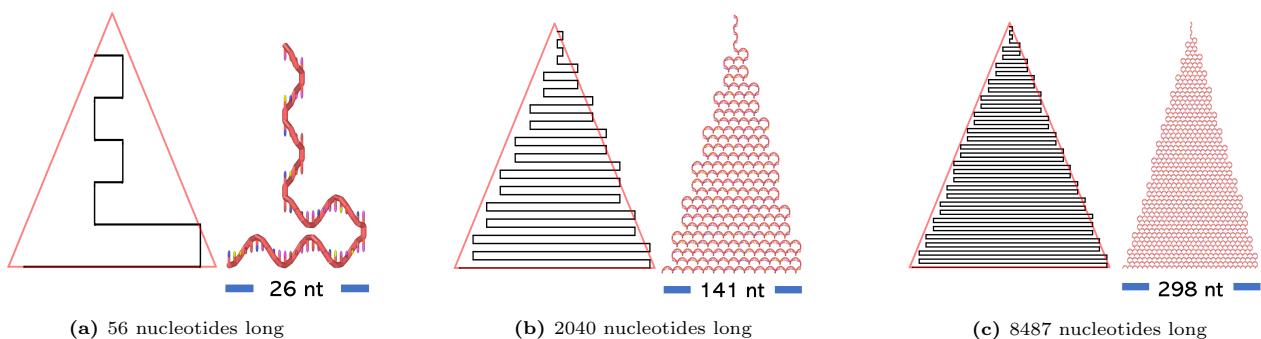
## 7 Appendix

### DNASnake Generated Scaffolds

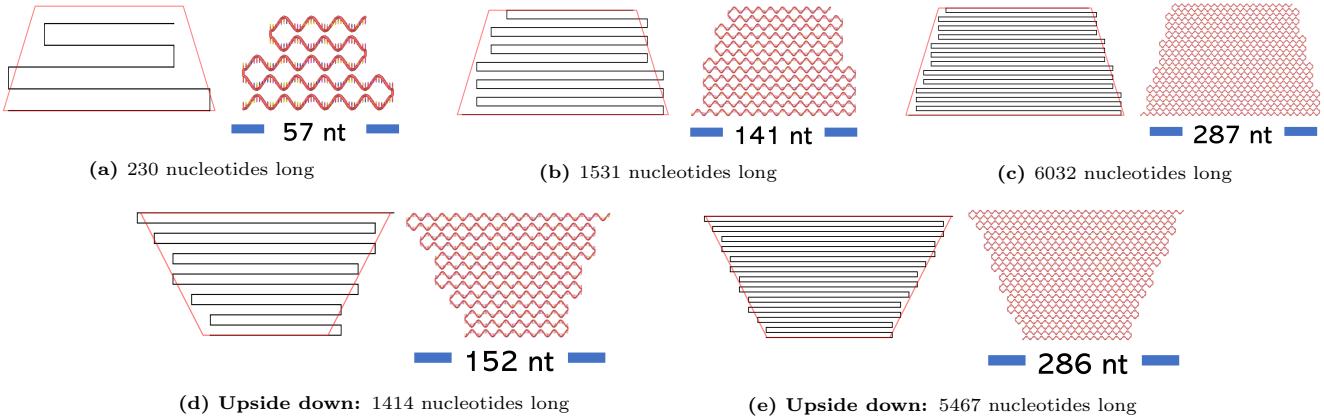
**General note:** Structures are generated from an initial shape (red, left). All DNA scaffolds (right) visualised using OVITO from their oxDNA form. Scale bars represent max width of the structures.



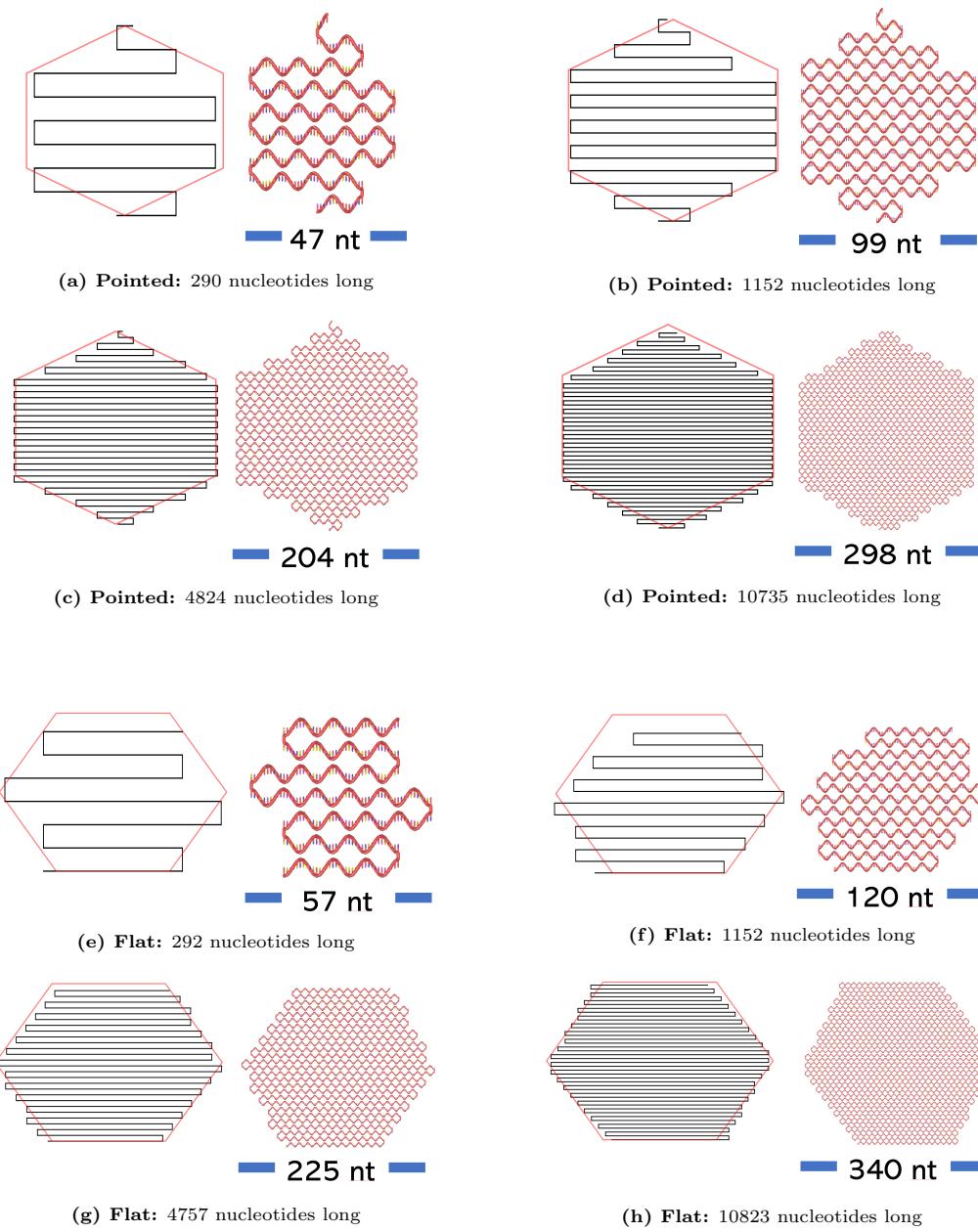
**Figure 5:** Automated scaffold for modular shapes



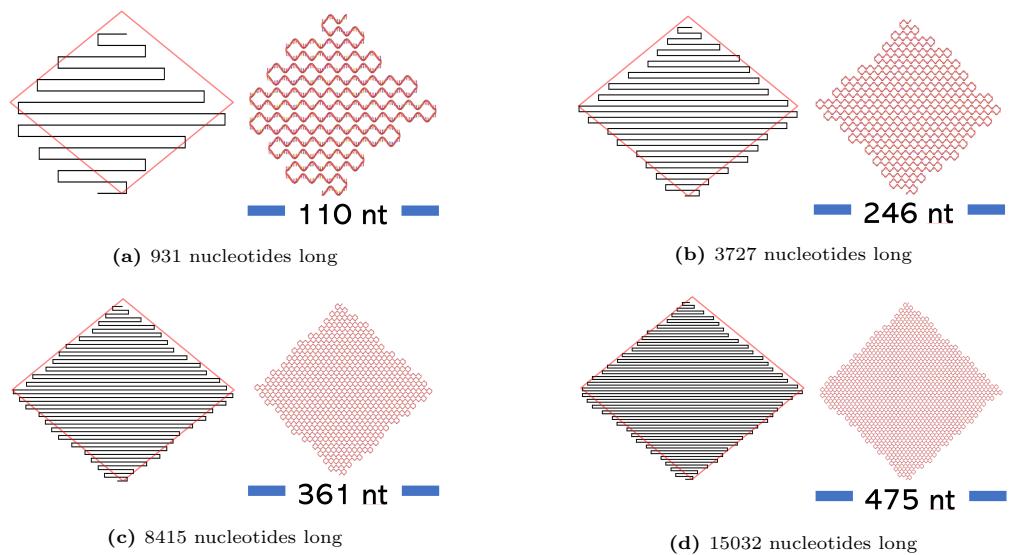
**Figure 6:** Automated scaffold for a triangle



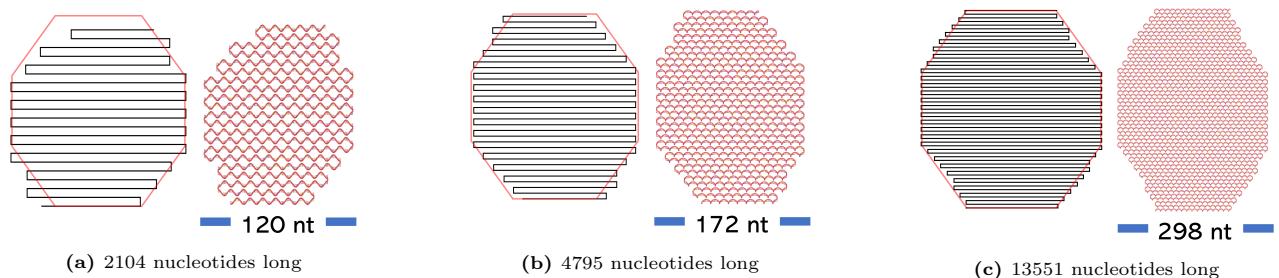
**Figure 7:** Automated scaffold for a **trapezium**



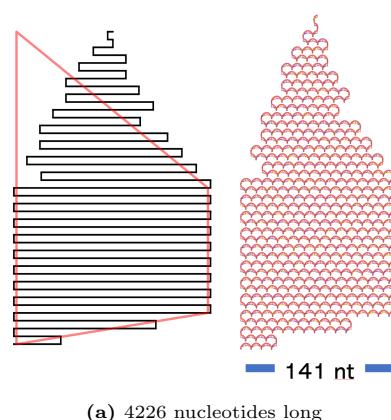
**Figure 8:** Automated scaffold for a **hexagon**



**Figure 9:** Automated scaffold for a **diamond**



**Figure 10:** Automated scaffold for an **octagon**



**Figure 11:** Automated scaffold for a **non-symmetrical shape**