

**SUPPLEMENTARY FIG. S3.** S1 nuclease probing of PNA–plasmid complexes. pGT4 plasmid with (lanes 2 and 4) or without (lanes 1 and 3)  $G_4T_4G_4$  PNA was probed with S1 nuclease before (lanes 1 and 2) or after (lanes 3 and 4) linearization with restriction enzymes and <sup>32</sup>P labeling. Lane 5 is the DNA sequencing lane showing the positions of guanines.  $G_4T_4G_4$  insert marked with the *bracket*.